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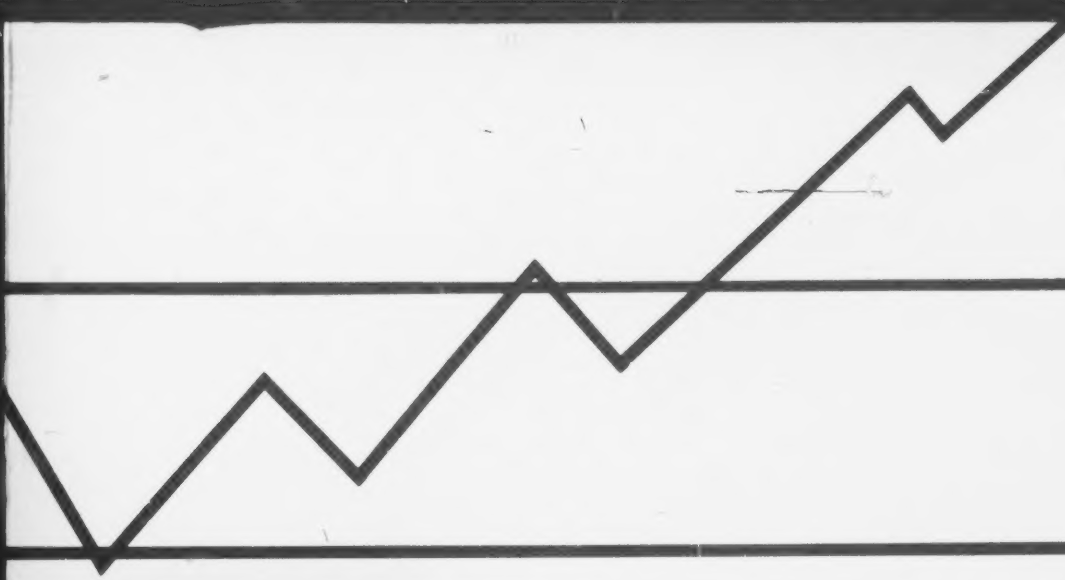

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Oil & Gas Journal Energy Database

Energy Statistics Sourcebook

Introduction

The energy industry, particularly oil and gas, is going through an unprecedented period of volatility. The industry has moved through a period of record highs to a recent period of record or near record lows. And this change has all occurred within the last 10-15 years.

There are few signs of an end to the volatility. Just when it appeared that the industry was entering a period of stability, oil prices launched another roller coaster ride reminiscent of 1986.

Consumption patterns are also changing. Preliminary indications point to an increase in energy consumption which defies the conservation trend of the past 20 years. Energy required per unit of economic growth was up during the first quarter of 1988. Low energy prices are spurring demand for petroleum products, natural gas and other forms of energy.

For the foreseeable future, it seems likely that the energy industry will continue to be plagued by volatility and uncertainty.

Making intelligent and profitable decisions about activities in today's energy industry requires careful evaluation of the events of the recent past. And this requires access to a substantial amount of statistical data describing industry activities.

This Energy Statistics Sourcebook has been designed to provide the basic key statistics necessary for oil and gas industry analysis in one convenient publication. Not only to provide the key statistics necessary, but to provide them for a sufficient time period and in sufficient detail for conducting all types of analysis. In addition to providing annual data for all of the time series, the Sourcebook provides monthly data for much of the information. The monthly data enables the analyst to study seasonal patterns and to more accurately examine cyclical patterns. It also enables analysts to experiment with lead/lag relationships between time series or to test the relationship or correlation among various series. For most time series at least ten years of data have been provided, and the data extend through the last complete year of statistical information — 1987.

For each industry segment the essential series necessary for analysis have been selected and presented by the economics staff of the Oil & Gas Journal. The selection of data is based on their years of experience in working with and collecting statistical information on the oil and gas industry. These are the key series for each industry sector selected from the 50,000 time series contained in the Oil & Gas Journal Energy Database. This database is the largest, most comprehensive, on-line database available for the oil, gas and energy industries. It would be impossible to capture the entire database library in a convenient printed publication. So this carefully selected compendium of key series has been developed for your convenience. You will find it an extremely useful tool for analysis and understanding of trends in the industry.

The statistical tables have been grouped into chapters. Each chapter describes a major sector of the industry. As an added feature, the Oil & Gas Journal economics staff has provided graphic presentations of key series. These graphs give a vivid picture of the changes that have occurred in the industry in recent years. The charts illustrate additional ways that the statistics in the Sourcebook can be used for analysis.

All of these features have been designed to provide you with an easy to use book for industry analysis and source for energy statistics -- the Energy Statistics Sourcebook from Oil & Gas Journal Energy Database.

Keep it on your desk within easy reach and you will soon find it a valuable aid in your analysis of the industry.

Exploration and Drilling

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Active Drilling Rigs
Total U.S.
Monthly Average

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1942	758.0	729.0	692.0	719.0	760.0	767.0	833.0	807.0	762.0	764.0	752.0	789.0	**761.0**
1943	703.0	749.0	788.0	805.0	847.0	913.0	1,008.0	1,078.0	1,124.0	1,196.0	1,258.0	1,316.0	**982.1**
1944	1,292.0	1,324.0	1,365.0	1,412.0	1,475.0	1,559.0	1,628.0	1,677.0	1,723.0	1,780.0	1,821.0	1,770.0	**1,568.8**
1945	1,706.0	1,681.0	1,672.0	1,686.0	1,707.0	1,712.0	1,699.0	1,699.0	1,725.0	1,731.0	1,766.0	1,736.0	**1,710.0**
1946	1,665.0	1,504.0	1,427.0	1,479.0	1,458.0	1,491.0	1,493.0	1,533.0	1,624.0	1,665.0	1,660.0	1,673.0	**1,556.0**
1947	1,535.0	1,582.0	1,603.0	1,615.0	1,656.0	1,764.0	1,850.0	1,897.0	1,927.0	1,995.0	2,006.0	1,967.0	**1,783.1**
1948	1,944.0	1,882.0	1,871.0	2,002.0	2,150.0	2,219.0	2,256.0	2,297.0	2,268.0	2,320.0	2,364.0	2,314.0	**2,157.3**
1949	2,027.0	1,948.0	2,006.0	2,050.0	2,062.0	2,033.0	1,960.0	1,947.0	1,930.0	1,971.0	2,112.0	2,162.0	**2,017.3**
1950	1,968.0	1,898.0	1,959.0	2,026.0	2,087.0	2,197.0	2,201.0	2,210.0	2,207.0	2,329.0	2,384.0	2,386.0	**2,154.3**
1951	2,168.0	2,060.0	2,173.0	2,318.0	2,444.0	2,518.0	2,598.0	2,697.0	2,780.0	2,860.0	2,930.0	2,975.0	**2,543.4**
1952	2,774.0	2,706.0	2,694.0	2,771.0	2,828.0	2,783.0	2,490.0	2,341.0	2,406.0	2,522.0	2,655.0	2,718.0	**2,640.7**
1953	2,518.0	2,468.0	2,466.0	2,528.0	2,564.0	2,630.0	2,626.0	2,618.0	2,614.0	2,710.0	2,787.0	2,831.0	**2,613.3**
1954	2,491.0	2,508.0	2,553.0	2,604.0	2,560.0	2,542.0	2,480.0	2,401.0	2,355.0	2,382.0	2,523.0	2,701.0	**2,508.3**
1955	2,424.0	2,455.0	2,548.0	2,618.0	2,671.0	2,732.0	2,698.0	2,728.0	2,752.0	2,768.0	2,850.0	2,991.0	**2,686.3**
1956	2,635.0	2,482.0	2,647.0	2,689.0	2,723.0	2,756.0	2,622.0	2,522.0	2,526.0	2,551.0	2,572.0	2,716.0	**2,620.1**
1957	2,337.0	2,294.0	2,425.0	2,391.0	2,346.0	2,465.0	2,528.0	2,532.0	2,500.0	2,408.0	2,390.0	2,497.0	**2,426.1**
1958	2,017.0	1,935.0	1,768.0	1,807.0	1,802.0	1,824.0	1,799.0	1,897.0	1,915.0	1,979.0	2,081.0	2,261.0	**1,923.8**
1959	1,881.0	1,816.0	1,920.0	2,071.0	2,146.0	2,242.0	2,200.0	2,132.0	2,123.0	2,076.0	2,152.0	2,095.0	**2,071.2**
1960	1,691.6	1,669.8	1,667.3	1,792.8	1,822.0	1,788.8	1,715.8	1,701.4	1,746.1	1,735.6	1,804.7	1,842.8	**1,748.2**
1961	1,594.6	1,518.3	1,599.8	1,630.8	1,764.6	1,793.3	1,832.0	1,854.8	1,853.0	1,822.2	1,886.0	1,983.0	**1,761.0**
1962	1,711.4	1,618.8	1,602.0	1,639.6	1,645.5	1,634.5	1,624.0	1,692.5	1,687.8	1,598.0	1,602.2	1,633.4	**1,640.8**
1963	1,394.5	1,382.8	1,400.2	1,454.6	1,548.0	1,538.5	1,530.2	1,467.5	1,466.2	1,536.8	1,607.5	1,663.6	**1,499.2**
1964	1,481.5	1,378.5	1,417.4	1,420.5	1,506.5	1,576.8	1,580.5	1,549.0	1,512.3	1,514.0	1,525.4	1,548.3	**1,500.9**
1965	1,359.2	1,256.2	1,285.8	1,308.0	1,385.0	1,416.5	1,392.8	1,376.8	1,393.0	1,442.0	1,491.4	1,545.5	**1,387.7**
1966	1,336.4	1,200.5	1,226.8	1,266.3	1,237.2	1,281.3	1,253.0	1,308.2	1,229.5	1,272.4	1,311.7	1,336.7	**1,271.7**
1967	1,159.4	1,058.3	1,035.5	1,054.8	1,070.2	1,038.5	1,106.6	1,146.5	1,155.5	1,191.2	1,252.8	1,345.3	**1,134.6**
1968	1,151.0	1,054.0	1,050.5	1,091.6	1,132.8	1,127.5	1,120.4	1,176.0	1,206.0	1,220.3	1,319.5	1,386.0	**1,169.6**
1969	1,260.0	1,102.8	1,038.6	1,094.3	1,135.0	1,201.4	1,212.3	1,210.8	1,199.6	1,237.5	1,275.8	1,360.8	**1,194.1**
1970	1,207.3	1,044.8	946.4	945.5	1,010.5	996.8	983.8	949.2	946.5	1,003.8	1,120.4	1,182.3	**1,028.1**
1971	1,007.3	871.8	828.0	875.5	892.0	911.3	954.3	980.0	1,039.0	1,037.0	1,137.6	1,171.5	**975.4**
1972	1,146.8	1,071.3	1,034.3	1,001.8	1,005.0	1,049.0	1,103.6	1,129.8	1,152.0	1,165.2	1,186.5	1,241.0	**1,107.2**
1973	1,219.0	1,126.0	1,049.0	993.0	1,046.0	1,118.3	1,155.6	1,222.3	1,265.8	1,334.4	1,389.8	1,405.0	**1,193.7**
1974	1,371.8	1,355.0	1,367.3	1,380.6	1,412.5	1,432.3	1,480.2	1,518.3	1,527.2	1,583.8	1,596.3	1,642.6	**1,472.3**
1975	1,615.3	1,611.3	1,650.8	1,604.5	1,592.3	1,612.8	1,616.5	1,645.3	1,699.4	1,716.3	1,757.3	1,793.0	**1,659.6**
1976	1,710.5	1,594.0	1,540.4	1,480.0	1,496.0	1,545.8	1,596.8	1,690.6	1,743.8	1,794.3	1,839.8	1,860.5	**1,657.7**
1977	1,850.0	1,855.8	1,887.0	1,907.3	1,982.0	2,007.7	2,023.0	2,066.0	2,084.3	2,100.8	2,112.8	2,141.0	**2,001.5**
1978	2,127.6	2,134.8	2,153.5	2,198.3	2,249.4	2,286.5	2,306.8	2,324.5	2,331.8	2,346.2	2,356.3	2,285.5	**2,258.4**
1979	2,199.4	2,063.8	1,970.8	1,943.2	1,960.3	1,998.7	2,093.8	2,221.8	2,283.5	2,379.6	2,459.8	2,551.8	**2,177.2**
1980	2,571.4	2,613.0	2,658.4	2,682.5	2,797.0	2,850.0	2,953.0	3,044.8	3,099.2	3,148.5	3,220.3	3,285.6	**2,910.3**

Active Drilling Rigs
Total U.S.
Monthly Average

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1981	3,386.3	3,502.3	3,595.4	3,728.0	3,816.5	3,926.4	3,997.5	4,131.4	4,241.5	4,351.5	4,436.4	4,520.5	**3,969.5**
1982	4,436.0	4,159.8	3,815.8	3,459.5	3,177.8	2,908.4	2,745.8	2,620.0	2,482.5	2,401.5	2,499.8	2,695.8	**3,116.9**
1983	2,621.8	2,192.3	2,003.3	1,845.8	1,926.0	1,978.8	2,038.8	2,156.2	2,251.5	2,381.8	2,572.3	2,780.0	**2,229.1**
1984	2,666.4	2,422.8	2,245.0	2,119.6	2,277.0	2,363.0	2,386.0	2,417.0	2,420.0	2,492.0	2,629.0	2,713.0	**2,429.2**
1985	2,452.0	2,188.0	1,955.0	1,877.0	1,865.0	1,858.0	1,909.0	1,931.0	1,930.0	1,879.0	1,912.0	1,950.0	**1,975.5**
1986	1,810.0	1,444.0	1,139.0	906.0	781.0	705.0	686.0	730.0	755.0	819.0	899.0	963.0	**969.8**
1987	900.0	818.0	772.0	754.0	763.0	788.0	901.0	1,003.0	1,101.0	1,124.0	1,152.0	1,162.0	**936.5**

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc.

Active Drilling Rigs
By State
Average

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Alabama	6.8	8.3	14.6	13.2	11.8	14.2	17.2	13.5	12.5	12.6
Alaska	13.7	5.0	5.3	5.3	9.0	13.9	14.3	15.0	15.5	13.5
Arizona	0.5	0.8	0.9	1.9	1.1	0.3	0.8	0.5	0.4	0.0
Arkansas	13.4	14.9	15.3	14.8	17.5	13.9	14.8	14.6	13.9	10.4
California	52.2	45.9	46.1	50.5	71.9	79.5	88.9	89.5	94.1	95.6
Land	42.0	40.5	44.8	48.7	69.6	76.2	84.7	81.3	86.4	85.7
Offshore	10.2	5.4	1.3	1.8	2.2	3.3	4.2	8.2	7.8	9.9
Colorado	25.6	29.8	36.1	42.0	45.5	42.5	38.1	44.7	41.1	40.2
Florida	4.5	10.8	17.7	9.3	8.5	9.1	5.0	6.1	6.3	5.3
Georgia	0.1	0.1	0.1	0.8	0.4	0.2	0.0	0.4	0.0	0.8
Hawaii	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Idaho	0.0	0.0	0.1	0.8	0.1	0.4	1.2	1.3	3.2	1.8
Illinois	13.5	12.8	13.7	5.9	7.3	18.7	21.7	15.7	26.0	13.1
Indiana	0.6	1.1	1.5	0.2	1.1	1.9	1.7	3.3	4.4	0.3
Iowa	0.3	1.4	1.8	0.8	0.4	1.8	0.0	1.3	0.5	0.0
Kansas	30.4	28.9	25.0	28.2	43.8	57.4	50.7	67.4	75.6	62.5
Kentucky	0.9	2.4	2.4	1.5	2.4	1.0	1.0	1.7	3.3	0.5
Louisiana	203.6	193.2	216.2	204.6	202.7	227.2	231.4	291.9	338.3	347.0
Inland Waters	57.0	49.6	54.0	55.6	57.5	55.0	49.0	56.3	62.5	62.1
North	11.7	15.9	20.0	23.1	29.3	31.4	33.8	45.2	39.8	34.5
South Land	56.4	53.7	59.9	55.1	49.2	63.6	65.4	81.3	113.9	112.3
Offshore	78.5	74.1	82.3	70.8	66.8	77.0	83.2	109.0	122.1	138.2
Maryland	0.1	0.0	1.5	0.4	0.0	0.5	0.6	0.4	0.7	0.5
Michigan	10.9	12.4	17.7	19.5	24.4	28.1	23.8	24.0	24.0	25.1
Minnesota	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mississippi	43.5	38.9	37.1	29.2	23.8	25.5	32.1	41.7	44.5	40.2
Missouri	0.0	0.0	0.0	0.1	0.3	0.3	0.0	0.1	0.0	0.0
Montana	16.6	17.5	19.9	19.0	24.4	26.8	28.2	27.1	30.1	32.9
Nebraska	6.0	4.5	6.2	4.6	6.8	9.0	7.7	9.2	9.6	9.2
Nevada	0.3	1.2	0.2	0.3	1.1	0.5	1.7	3.1	2.9	4.1
New Jersey	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0
New Mexico	39.8	47.1	56.7	61.8	79.4	71.2	53.8	69.5	75.5	87.5
New York	0.3	0.9	1.0	1.5	6.8	7.6	9.0	7.2	7.0	8.7
North Carolina	0.0	0.3	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0
North Dakota	8.5	8.7	7.4	9.8	11.5	17.1	18.7	23.8	39.1	56.5
Ohio	24.3	16.6	23.1	35.7	30.1	20.8	25.8	33.3	45.6	46.3
Oklahoma	97.8	89.7	90.6	115.0	145.9	177.4	186.6	233.2	258.2	246.8
Oregon	0.0	0.2	0.0	0.2	0.0	0.3	0.1	0.3	0.4	1.1
Pennsylvania	8.6	9.4	8.3	11.1	13.7	10.3	9.9	14.7	25.2	28.9
South Carolina	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
South Dakota	1.8	0.9	0.6	0.7	0.8	1.4	2.0	2.7	2.3	1.4
Tennessee	1.9	0.9	0.0	0.1	0.3	0.5	0.0	0.0	0.0	0.1

Active Drilling Rigs
By State
Average

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Texas	294.1	291.0	325.6	376.6	507.9	637.1	652.8	778.6	855.1	770.2
Dist. 1	NA	NA	NA	NA	17.0	29.5	55.8	52.8	37.2	23.8
Dist. 2	NA	NA	NA	NA	24.5	28.7	25.0	33.8	39.5	35.1
Dist. 3	NA	NA	NA	NA	59.3	66.4	66.0	84.8	99.2	106.2
Dist. 4	NA	NA	NA	NA	44.7	69.7	70.9	83.7	87.5	85.6
Dist. 5	NA	NA	NA	NA	14.2	15.8	16.0	18.6	35.4	29.3
Dist. 6	NA	NA	NA	NA	30.6	31.5	38.0	54.7	81.2	77.8
Dist. 7B	NA	NA	NA	NA	37.0	62.8	69.5	87.3	91.3	71.2
Dist. 7C	NA	NA	NA	NA	45.4	47.3	43.7	55.2	50.8	50.4
Dist. 8	NA	NA	NA	NA	109.1	121.5	105.9	107.2	98.7	90.7
Dist. 8A	NA	NA	NA	NA	40.5	57.2	47.6	61.8	65.0	50.6
Dist. 9	NA	NA	NA	NA	30.1	44.7	41.0	54.6	61.9	51.3
Dist. 10	NA	NA	NA	NA	34.6	41.0	37.0	42.2	60.4	48.1
Inland Waters	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Offshore	NA	NA	NA	NA	21.3	21.8	34.4	42.0	46.9	50.3
Utah	11.9	17.3	34.6	37.6	41.7	26.0	19.1	29.5	32.1	28.9
Vermont	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Virginia	0.9	1.0	1.4	1.0	1.8	1.1	0.3	1.2	1.1	1.3
Washington	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
West Virginia	15.8	17.4	16.9	20.1	18.3	9.6	11.9	16.5	27.1	29.8
Wyoming	70.9	44.8	61.7	70.0	107.1	107.4	86.4	118.0	136.4	147.2
Total U.S.	**1,028.1**	**975.4**	**1,107.2**	**1,193.7**	**1,472.3**	**1,659.6**	**1,657.7**	**2,001.5**	**2,258.4**	**2,177.2**
Inland Waters	57.0	49.6	54.0	55.6	57.5	55.0	49.0	56.3	62.5	62.1
Offshore	91.0	79.5	84.4	74.2	93.1	105.1	125.9	165.7	185.2	206.8
Land	880.1	846.4	968.8	1,063.9	1,321.7	1,499.5	1,482.8	1,779.4	2,010.7	1,908.4

Active Drilling Rigs
By State
Average

	1980	1981	1982	1983	1984	1985	1986	1987
Alabama	10.8	17.3	15.3	16.4	15.5	22.3	10.7	10.8
Alaska	13.8	23.5	21.6	13.8	14.1	20.2	12.9	8.7
Arizona	1.0	1.1	1.0	0.3	0.2	0.3	0.0	0.3
Arkansas	26.8	33.9	27.1	25.9	26.1	24.3	9.7	9.1
California	120.2	154.9	129.2	105.7	107.2	80.7	49.2	60.8
Land	104.7	133.7	106.6	83.4	89.2	68.8	44.1	54.6
Offshore	15.5	21.1	22.6	22.3	18.0	11.9	5.5	6.3
Colorado	61.1	81.6	60.7	52.2	53.9	49.9	24.7	24.8
Florida	4.1	7.8	4.6	4.4	3.6	6.8	2.3	2.8
Georgia	0.4	0.6	0.1	0.2	0.3	0.0	0.2	0.0
Hawaii	0.2	0.8	0.4	0.7	0.6	0.5	0.1	0.0
Idaho	2.6	3.2	1.5	1.2	0.8	1.3	1.2	0.4
Illinois	25.4	44.6	75.8	60.2	41.5	28.6	6.0	3.4
Indiana	0.1	1.2	7.1	5.9	6.6	3.7	1.3	0.6
Iowa	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.6
Kansas	120.2	196.2	158.0	124.1	127.6	91.7	47.2	48.4
Kentucky	1.7	5.3	9.5	8.4	8.1	6.3	2.6	2.1
Louisiana	427.4	455.6	344.3	282.5	309.9	283.1	143.3	135.0
Inland Waters	76.6	83.2	59.6	47.1	51.4	43.7	20.4	23.1
North	54.9	58.0	39.9	29.4	30.3	24.7	11.6	11.7
South Land	156.4	160.3	108.2	81.9	96.1	85.5	42.2	35.9
Offshore	139.4	154.1	136.6	124.2	132.3	129.4	69.2	64.8
Maryland	0.2	0.6	0.0	0.0	0.0	0.0	0.1	0.0
Michigan	30.7	36.5	31.5	29.1	34.1	34.0	24.3	21.9
Minnesota	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
Mississippi	57.6	71.5	41.9	32.8	32.4	30.9	15.4	13.1
Missouri	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Montana	49.2	81.4	36.6	23.9	36.0	22.8	9.9	8.6
Nebraska	14.3	15.1	9.4	9.0	9.1	6.6	3.3	5.3
Nevada	4.6	4.9	3.1	1.1	5.0	4.9	3.1	1.6
New Jersey	0.0	0.0	0.1	0.3	0.8	0.0	0.0	0.0
New Mexico	117.6	134.9	103.9	65.0	77.8	71.3	29.3	34.7
New York	7.0	11.6	15.1	10.2	8.9	5.2	2.3	2.1
North Carolina	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
North Dakota	83.4	118.8	69.8	42.5	50.9	38.5	13.6	14.2
Ohio	73.7	97.8	57.4	39.3	51.1	29.2	17.9	19.8
Oklahoma	397.3	698.4	623.2	285.2	319.2	251.5	142.2	136.8
Oregon	0.0	1.9	0.8	0.0	0.5	0.5	0.3	0.3
Pennsylvania	29.0	38.6	32.6	22.0	35.5	29.9	17.8	17.3
South Carolina	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0
South Dakota	1.9	2.2	1.5	1.0	2.2	1.7	0.6	0.4
Tennessee	0.8	0.3	1.6	0.5	0.5	0.0	0.5	0.0

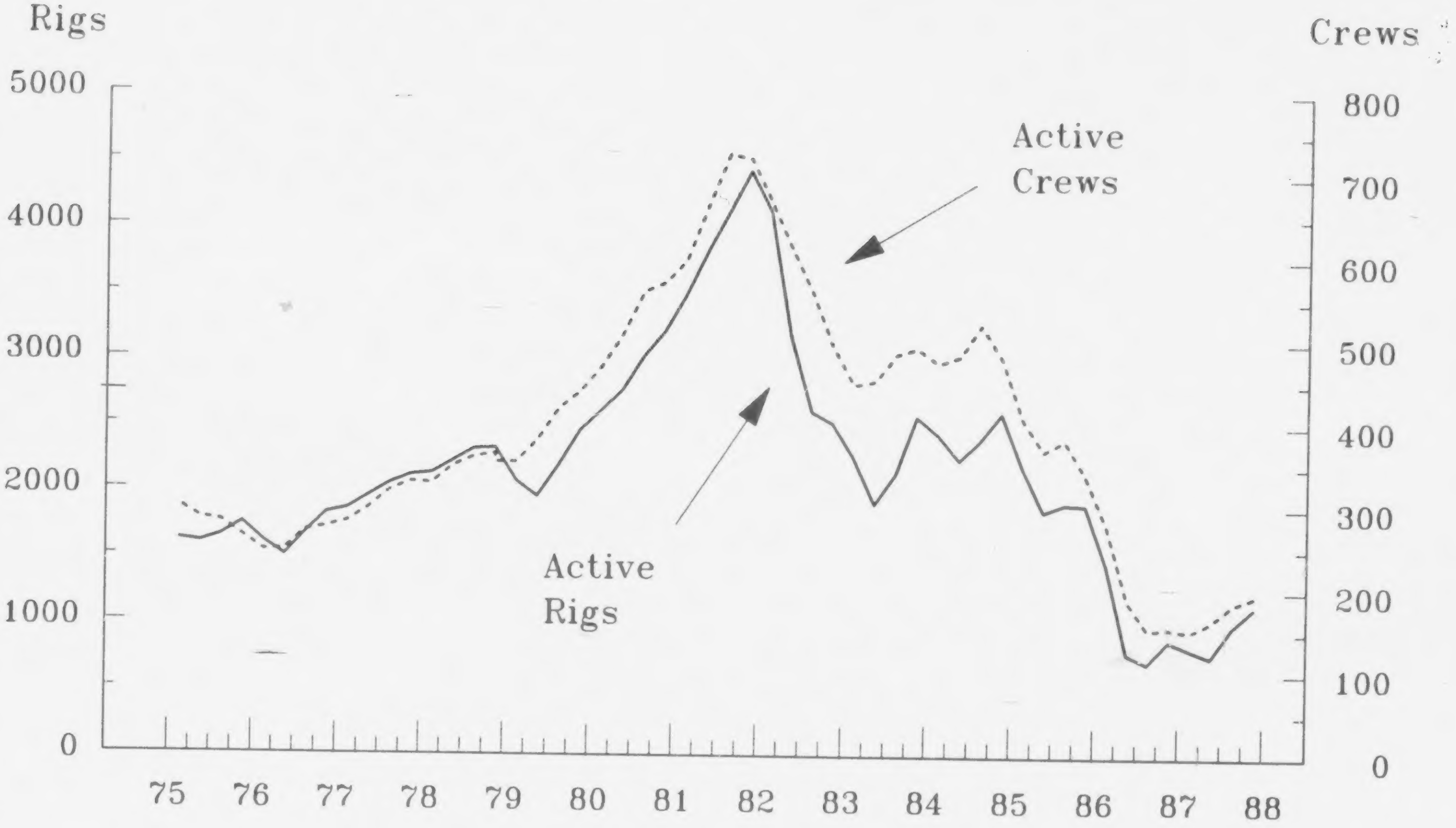
Active Drilling Rigs
By State
Average

	1980	1981	1982	1983	1984	1985	1986	1987
Texas	987.7	1,315.8	993.7	796.2	850.1	679.8	312.9	293.3
Dist. 1	35.1	67.5	39.4	20.8	17.5	14.9	5.1	4.4
Dist. 2	48.8	68.3	47.6	34.0	36.0	27.8	12.8	13.1
Dist. 3	161.7	236.7	122.2	99.9	102.1	74.4	32.3	29.8
Dist. 4	105.3	124.0	100.6	81.9	82.1	67.7	37.0	40.8
Dist. 5	39.0	44.0	26.7	23.6	31.0	27.3	18.3	12.5
Dist. 6	80.8	119.7	90.3	78.6	71.1	50.6	27.4	24.0
Dist. 7B	77.3	82.4	56.8	54.6	50.7	41.8	17.8	14.3
Dist. 7C	69.7	89.3	71.1	55.4	59.2	51.7	21.4	17.1
Dist. 8	112.2	166.3	130.5	110.4	149.1	124.5	55.0	54.8
Dist. 8A	65.3	88.7	72.2	62.5	68.6	65.6	29.8	37.8
Dist. 9	69.9	88.2	82.0	70.4	73.9	45.3	19.3	9.8
Dist. 10	50.8	66.5	66.3	48.3	49.9	37.3	16.1	16.7
Inland Waters	NA	NA	NA	7.9	4.7	3.7	2.4	1.2
Offshore	72.1	74.4	77.9	48.3	55.4	48.3	19.4	18.8
Utah	42.4	69.2	40.1	36.8	45.3	28.8	11.4	7.6
Vermont	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0
Virginia	0.8	3.5	2.6	1.7	2.6	3.8	5.6	2.3
Washington	0.5	1.6	1.0	1.1	0.6	0.1	0.0	0.3
West Virginia	37.8	44.8	49.5	33.9	37.7	26.0	14.9	12.7
Wyoming	155.5	191.3	143.3	95.6	114.6	92.7	35.8	39.5
Total U.S.	**2,910.3**	**3,969.5**	**3,116.9**	**2,229.1**	**2,429.2**	**1,975.5**	**969.8**	**936.5**
Inland Waters	76.6	83.2	72.3	57.9	57.8	47.7	22.8	24.3
Offshore	230.9	257.6	243.7	199.1	213.0	205.7	100.0	96.1
Land	2,602.8	3,628.7	2,800.9	1,972.1	2,158.4	1,722.2	847.3	816.2

Note: May not add to totals due to independent rounding.

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc.

U.S. Rig Count and Seismic Crew Count



Source: Baker-Hughes & SEG

Active Drilling Rigs
Monthly Average
Selected States

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
California													
1980	119.2	113.0	113.0	118.0	118.0	118.4	117.8	120.8	125.0	121.5	125.3	132.6	**120.2**
1981	138.8	140.3	141.0	148.8	150.0	152.4	154.5	161.8	161.0	162.8	171.8	175.0	**154.9**
1982	170.3	168.0	153.2	135.8	121.8	110.0	115.5	111.2	116.3	109.0	118.4	120.8	**129.2**
1983	112.8	94.3	89.8	87.5	95.4	100.8	113.8	113.2	115.5	113.6	113.8	118.3	**105.7**
1984	104.4	95.8	96.5	93.6	105.0	99.0	109.0	105.0	108.0	111.0	128.0	131.0	**107.2**
1985	112.0	91.0	74.0	70.0	68.0	68.0	71.0	90.0	82.0	75.0	82.0	85.0	**80.7**
1986	72.0	60.0	62.0	51.0	43.0	39.0	37.0	38.0	40.0	49.0	48.0	51.0	**49.2**
1987	49.0	44.0	48.0	52.0	63.0	61.0	55.0	70.0	78.0	76.0	71.0	62.0	**60.8**
Kansas													
1980	84.8	89.7	100.8	96.5	104.3	116.0	124.0	134.8	142.2	145.8	149.5	154.2	**120.2**
1981	166.5	176.3	182.8	191.5	195.8	195.4	187.5	198.0	208.3	215.5	222.0	215.3	**196.2**
1982	218.5	209.5	189.0	176.0	166.5	140.8	130.5	133.4	123.3	122.5	137.0	149.0	**158.0**
1983	143.8	121.3	112.8	76.8	114.2	114.8	119.8	125.4	127.0	136.2	149.0	148.3	**124.1**
1984	135.4	124.5	124.0	96.2	118.0	132.0	128.0	132.0	144.0	125.0	136.0	136.0	**127.6**
1985	110.0	98.0	91.0	86.0	78.0	85.0	99.0	92.0	101.0	89.0	90.0	81.0	**91.7**
1986	77.0	65.0	50.0	46.0	36.0	38.0	36.0	32.0	40.0	44.0	53.0	49.0	**47.2**
1987	44.0	40.0	42.0	36.0	45.0	43.0	50.0	58.0	60.0	53.0	58.0	52.0	**48.4**
Louisiana													
1980	392.8	382.0	403.4	417.7	436.2	430.2	429.5	449.0	447.8	450.5	447.8	441.4	**427.4**
1981	428.0	440.5	439.8	450.5	436.3	442.4	463.8	462.2	460.3	471.0	485.2	487.3	**455.6**
1982	486.5	456.0	416.2	377.8	340.0	315.0	300.0	289.2	278.8	285.0	281.6	305.3	**344.3**
1983	331.2	310.5	301.5	278.8	254.2	245.5	243.0	262.0	255.0	271.2	309.0	328.0	**282.5**
1984	350.6	319.8	303.0	289.6	284.0	281.0	287.0	296.0	299.0	312.0	338.0	359.0	**309.9**
1985	349.0	320.0	292.0	284.0	281.0	277.0	265.0	279.0	262.0	249.0	257.0	282.0	**283.1**
1986	252.0	228.0	177.0	143.0	118.0	105.0	105.0	106.0	118.0	127.0	115.0	125.0	**143.3**
1987	129.0	112.0	105.0	102.0	104.0	108.0	144.0	148.0	160.0	158.0	166.0	184.0	**135.0**
Oklahoma													
1980	302.8	313.2	338.0	358.8	388.0	385.4	404.5	431.0	448.8	445.0	462.3	490.0	**397.3**
1981	524.0	566.3	604.4	641.5	652.3	667.0	698.0	724.0	772.8	816.3	841.8	871.8	**698.4**
1982	872.8	850.0	854.6	827.8	753.0	675.4	614.8	531.4	441.0	363.0	346.0	348.3	**623.2**
1983	361.6	291.8	289.0	247.0	265.6	251.8	268.3	269.6	253.8	255.4	295.3	372.8	**285.2**
1984	386.0	365.8	332.5	284.2	318.0	313.0	310.0	289.0	285.0	297.0	321.0	329.0	**319.2**
1985	298.0	270.0	245.0	269.0	253.0	242.0	240.0	237.0	243.0	219.0	252.0	250.0	**251.5**
1986	255.0	203.0	168.0	147.0	122.0	103.0	106.0	114.0	110.0	105.0	130.0	143.0	**142.2**
1987	137.0	121.0	123.0	142.0	126.0	110.0	130.0	148.0	158.0	145.0	149.0	152.0	**136.8**
Texas													
1980	921.0	933.5	941.0	937.8	941.0	958.4	986.3	998.8	1,006.8	1,045.0	1,090.8	1,092.2	**987.7**
1981	1,109.3	1,156.3	1,214.2	1,233.8	1,294.8	1,331.8	1,349.3	1,399.0	1,417.8	1,417.0	1,418.0	1,448.5	**1,315.8**
1982	1,423.8	1,305.3	1,207.4	1,102.5	980.8	873.6	830.8	816.0	783.5	790.5	860.4	950.0	**993.7**
1983	916.2	801.3	725.3	708.3	697.2	691.3	686.6	736.6	834.5	873.8	915.3	968.3	**796.2**
1984	894.6	846.5	818.5	810.8	824.0	857.0	833.0	818.0	819.0	856.0	892.0	932.0	**850.1**
1985	849.0	775.0	737.0	685.0	664.0	647.0	661.0	650.0	630.0	613.0	613.0	633.0	**679.8**
1986	580.0	470.0	384.0	307.0	258.0	216.0	222.0	231.0	225.0	253.0	290.0	319.0	**312.9**
1987	291.0	266.0	251.0	260.0	255.0	257.0	282.0	304.0	325.0	340.0	348.0	341.0	**293.3**

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc.

Active Drilling Rigs
By Depth Classification
Monthly Average
Total U.S.

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1983													
0-2,500 ft.	59.2	59.7	49.8	71.5	67.5	56.0	103.0	86.2	87.2	86.5	88.2	82.6	**74.8**
2,501-5,000 ft.	476.2	357.2	283.4	436.7	395.2	354.6	592.7	515.0	605.4	640.0	643.0	637.4	**494.7**
5,001-7,500 ft.	433.7	322.5	246.2	387.5	339.0	290.8	484.7	397.0	438.8	474.0	543.2	564.0	**410.1**
7,501-10,000 ft.	520.5	455.2	358.0	537.5	406.2	343.6	578.5	497.2	518.4	524.7	612.2	653.2	**500.4**
10,001-12,500 ft.	498.0	410.5	286.4	387.2	329.5	259.8	384.5	330.2	368.4	401.2	445.7	489.2	**382.6**
12,501-15,000 ft.	245.2	237.5	178.4	247.2	196.0	159.4	251.5	219.0	246.2	270.0	294.2	322.0	**238.9**
15,001-17,500 ft.	116.0	116.2	96.4	139.2	105.7	79.8	116.5	101.0	100.8	106.0	111.5	125.4	**109.5**
17,501-20,000 ft.	65.5	62.5	46.4	65.5	51.2	40.8	63.7	48.2	49.6	56.7	58.7	70.2	**56.6**
20,001-22,500 ft.	25.0	21.0	17.0	27.7	19.7	14.4	20.5	20.5	20.6	18.7	18.0	19.4	**20.2**
22,501-25,000 ft.	10.2	10.0	6.8	11.5	10.5	8.0	9.7	8.0	9.2	10.2	7.7	6.8	**9.1**
25,001 ft. & over	5.7	7.2	4.2	4.7	3.0	2.4	5.0	2.2	3.4	3.7	4.0	4.6	**4.2**
Total	**2,455.5**	**2,059.7**	**1,573.0**	**2,316.5**	**1,923.7**	**1,609.6**	**2,610.5**	**2,224.7**	**2,448.0**	**2,592.0**	**2,826.7**	**2,974.8**	**2,301.2**
1984													
0-2,500 ft.	62.0	65.0	62.6	77.2	77.2	76.4	75.0	76.2	72.5	63.0	71.8	67.2	**70.5**
2,501-5,000 ft.	588.2	508.5	442.0	421.0	507.5	558.8	555.0	560.6	543.0	532.2	570.0	530.2	**526.4**
5,001-7,500 ft.	553.2	488.7	412.2	433.5	493.0	487.2	507.2	499.6	523.7	498.5	527.0	520.0	**495.3**
7,501-10,000 ft.	609.7	533.5	508.0	495.7	520.5	521.4	539.7	553.6	533.0	558.5	590.4	605.0	**547.4**
10,001-12,500 ft.	524.7	491.5	441.2	421.0	398.0	417.4	450.5	450.0	441.7	458.0	470.6	501.0	**455.5**
12,501-15,000 ft.	320.2	305.5	289.0	263.2	280.5	292.8	313.0	308.2	282.2	308.5	311.4	299.5	**297.8**
15,001-17,500 ft.	125.5	136.0	137.4	134.0	138.7	130.0	128.2	125.0	126.7	138.0	168.0	172.5	**138.3**
17,501-20,000 ft.	74.5	77.0	75.0	74.5	66.7	64.2	65.2	74.6	78.2	73.2	73.6	68.7	**72.1**
20,001-22,500 ft.	19.5	17.2	17.6	17.0	17.0	17.0	15.0	14.4	15.2	13.2	15.8	17.7	**16.4**
22,501-25,000 ft.	7.0	6.5	7.2	7.0	5.7	4.0	3.5	4.6	4.5	4.0	3.6	4.0	**5.1**
25,001 ft. & over	3.0	2.7	2.0	1.0	1.5	2.0	2.2	4.2	4.2	5.0	4.8	3.5	**3.0**
Total	**2,887.7**	**2,632.2**	**2,394.2**	**2,345.2**	**2,506.5**	**2,571.2**	**2,654.7**	**2,671.0**	**2,625.2**	**2,652.2**	**2,807.0**	**2,789.5**	**2,628.1**
1985													
0-2,500 ft.	39.5	43.7	49.0	50.0	56.0	67.0	68.0	68.0	73.0	75.0	79.0	69.4	**61.5**
2,501-5,000 ft.	474.5	421.7	384.0	390.0	384.0	403.0	393.0	394.0	409.0	397.0	407.4	415.0	**406.1**
5,001-7,500 ft.	446.7	413.0	388.0	365.0	369.0	397.0	418.0	388.0	382.0	371.0	403.8	422.2	**397.0**
7,501-10,000 ft.	531.0	491.7	427.0	428.0	422.0	427.0	429.0	455.0	459.0	450.0	477.0	484.4	**456.8**
10,001-12,500 ft.	468.7	426.7	396.0	383.0	369.0	366.0	340.0	355.0	380.0	382.0	354.4	365.2	**382.2**
12,501-15,000 ft.	286.0	264.0	250.0	237.0	229.0	226.0	230.0	227.0	220.0	208.0	219.6	241.8	**236.5**
15,001-17,500 ft.	170.7	161.2	148.0	144.0	143.0	143.0	138.0	123.0	120.0	113.0	114.8	108.2	**135.6**
17,501-20,000 ft.	70.7	72.0	76.0	70.0	75.0	70.0	72.0	69.0	66.0	62.0	67.8	61.2	**69.3**
20,001-22,500 ft.	18.2	19.7	20.0	22.0	21.0	16.0	15.0	15.0	14.0	11.0	12.0	10.0	**16.2**
22,501-25,000 ft.	4.0	5.5	9.0	8.0	9.0	9.0	11.0	13.0	11.0	11.0	8.2	6.8	**8.8**
25,001 ft. & over	4.0	4.0	4.0	5.0	4.0	3.0	2.0	1.0	1.0	1.0	1.0	1.6	**2.6**
Total	**2,514.3**	**2,323.8**	**2,151.2**	**2,102.3**	**2,080.8**	**2,127.4**	**2,116.3**	**2,107.8**	**2,135.0**	**2,080.5**	**2,145.0**	**2,185.8**	**2,172.5**

Active Drilling Rigs
By Depth Classification
Monthly Average
Total U.S.

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1986													
0-2,500 ft.	52.3	49.3	39.0	30.3	40.0	30.0	23.8	22.3	22.4	34.5	31.0	32.8	**34.0**
2,501-5,000 ft.	334.0	235.8	190.0	154.0	153.3	134.6	154.3	151.8	168.6	195.3	210.3	204.6	**190.6**
5,001-7,500 ft.	368.5	281.8	218.6	156.3	149.5	133.2	160.5	152.8	162.2	172.5	219.5	228.2	**200.3**
7,501-10,000 ft.	409.5	328.5	255.6	200.8	177.8	146.8	151.8	169.8	166.2	186.8	214.8	229.8	**219.9**
10,001-12,500 ft.	339.5	287.5	236.0	185.0	132.3	121.4	144.3	149.8	155.2	170.8	196.0	193.4	**192.6**
12,501-15,000 ft.	227.5	192.8	147.0	115.5	104.0	99.4	94.3	95.3	86.4	85.5	94.8	96.8	**119.9**
15,001-17,500 ft.	89.3	74.0	56.8	46.8	38.3	34.6	34.5	36.3	38.6	39.5	48.8	58.2	**49.6**
17,501-20,000 ft.	57.0	46.5	36.6	31.5	28.3	25.0	23.8	18.8	18.8	14.8	15.0	18.8	**27.9**
20,001-22,500 ft.	10.0	9.0	10.8	13.0	12.8	10.6	9.3	6.3	4.6	3.0	6.0	6.0	**8.5**
22,501-25,000 ft.	8.5	8.3	6.6	6.0	6.0	4.4	3.8	3.5	2.8	2.0	2.3	2.0	**4.7**
25,001 ft. & over	1.8	1.5	1.0	0.5	0.3	0.0	0.0	0.0	0.0	0.3	0.0	0.0	**0.5**
Total	**1,897.8**	**1,514.8**	**1,198.2**	**939.5**	**842.3**	**740.0**	**800.0**	**808.3**	**825.8**	**904.8**	**1,038.3**	**1,070.6**	**1,048.4**
1987													
0-2,500 ft.	26.0	16.3	17.8	28.5	28.8	31.4	32.8	38.3	37.8	37.5	31.3	33.4	**30.0**
2,501-5,000 ft.	175.5	173.5	140.0	147.3	155.0	166.8	189.3	208.5	233.2	236.5	232.0	228.2	**190.5**
5,001-7,500 ft.	182.5	145.8	183.4	175.0	171.8	183.0	197.8	216.8	253.0	269.3	267.5	248.8	**207.9**
7,501-10,000 ft.	207.3	192.5	193.0	194.5	197.0	218.0	249.0	272.3	281.0	276.5	287.8	287.6	**238.0**
10,001-12,500 ft.	191.8	162.8	152.0	146.0	151.3	142.1	162.3	174.5	205.8	219.8	239.0	227,0	**181.2**
12,501-15,000 ft.	97.5	89.5	87.2	88.3	95.0	104.4	120.0	127.0	132.6	151.5	155.5	167.0	**118.0**
15,001-17,500 ft.	60.3	58.0	50.8	44.5	46.0	49.0	59.5	63.5	82.8	87.3	82.8	78.8	**63.6**
17,501-20,000 ft.	23.8	25.8	22.2	23.8	26.0	26.8	31.8	38.3	35.8	34.3	36.0	39.0	**30.3**
20,001-22,500 ft.	6.0	5.3	6.4	7.0	3.3	1.8	1.0	1.0	3.2	2.5	2.3	2.4	**3.5**
22,501-25,000 ft.	2.0	2.3	2.0	2.5	3.0	3.0	4.0	4.0	5.2	6.0	6.3	6.4	**3.9**
25,001 ft. & over	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.1	**0.1**
Total	**972.5**	**871.5**	**854.8**	**857.3**	**877.0**	**927.0**	**1,047.3**	**1,144.0**	**1,270.6**	**1,321.0**	**1,340.5**	**1,319.0**	**1,066.9**

Data from Oil & Gas Journal Energy Database.
Source: Smith International Inc.

Reed Rig Census

	Total Rigs Available	Oil Company Owned	Contractor Owned	Active Rigs	Percent Active	Number Stacked	------------Rigs by Depth Capability-----------					Drilling Barges	Land Rigs	Offshore Rigs
							0 - 5000 ft.	6000 - 9000 ft.	10000 - 12000 ft.	13000 - 15000 ft.	16000 ft. & Over			
1967	2,408	49	2,359	1,573	65.3	835	623	776	435	199	375	121	2,114	173
1968	2,111	44	2,067	1,508	71.4	603	493	680	381	185	372	114	1,825	172
1969	2,060	27	2,033	1,649	80.0	411	528	626	352	188	366	98	1,827	135
1970	1,898	29	1,869	1,331	70.1	567	434	580	322	219	343	106	1,662	130
1971	1,859	27	1,832	1,308	70.4	551	436	535	329	198	361	124	1,592	143
1972	1,768	27	1,741	1,381	78.1	387	409	490	301	171	397	77	1,551	140
1973	1,767	28	1,739	1,473	83.4	294	355	517	318	164	413	71	1,570	126
1974	1,894	13	1,881	1,769	93.4	125	387	529	339	214	425	66	1,715	113
1975	2,028	14	2,014	1,877	92.6	151	396	579	380	225	448	74	1,839	115
1976	2,204	24	2,180	1,979	89.8	225	468	633	366	239	498	76	1,964	164
1977	2,482	31	2,451	2,399	96.7	83	542	628	461	274	577	77	2,186	219
1978	2,851	33	2,818	2,785	97.7	66	557	723	565	313	693	91	2,524	236
1979	3,182	38	3,144	2,874	90.3	308	546	783	631	350	872	109	2,802	271
1980	3,672	46	3,626	3,542	96.5	130	605	885	704	419	1,059	115	3,255	302
1981	4,803	41	4,762	4,703	97.9	100	773	1,080	950	595	1,405	161	4,316	326
1982	5,644	38	5,606	3,225	57.1	2,419	821	1,285	1,103	717	1,717	157	5,139	348
1983	5,273	32	5,241	2,539	48.2	2,734	746	1,233	993	662	1,639	128	4,832	313
1984	4,580	27	4,553	3,090	67.5	1,490	571	1,077	933	591	1,408	131	4,102	347
1985	4,409	23	4,386	2,625	59.5	1,784	529	1,084	894	570	1,332	121	3,940	348
1986	3,993	32	3,961	1,052	26.3	2,941	517	971	789	496	1,220	90	3,573	330
1987	3,331	32	3,299	1,388	41.7	1,943	435	841	637	427	991	91	2,956	284

Data from Oil & Gas Journal Energy Database.
Source: Reed Tool Co.

Active Seismic Crew Count
Total U.S.

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
Total 1975	301	302	299	283	286	289	286	289	274	270	265	259	283.6
Land	274	278	276	260	254	251	249	249	234	241	238	233	253.1
Marine	27	24	23	23	32	38	37	40	40	29	27	26	30.5
Total 1976	252	249	240	238	247	258	270	275	268	267	275	286	260.4
Land	232	232	222	221	226	229	240	242	240	246	250	259	236.6
Marine	20	17	18	17	21	29	30	33	28	21	25	27	23.8
Total 1977	280	286	282	292	301	305	315	326	320	330	335	329	308.4
Land	254	259	260	266	272	274	285	295	291	302	309	303	280.8
Marine	26	27	22	26	29	31	30	31	29	28	26	26	27.6
Total 1978	328	328	334	342	351	362	367	365	354	371	369	358	352.4
Land	302	305	314	321	330	336	341	338	333	342	342	328	327.7
Marine	26	23	20	21	21	26	26	27	21	29	27	30	24.8
Total 1979	355	350	364	360	383	404	407	424	433	436	439	450	400.4
Land	327	321	332	330	355	372	376	393	403	407	408	419	370.3
Marine	28	29	32	30	28	32	31	31	30	29	31	31	30.2
Total 1980	468	469	477	496	502	535	556	565	567	571	572	580	529.8
Land	439	440	448	465	468	496	514	521	523	530	531	540	492.9
Marine	29	29	29	31	34	39	42	44	44	41	41	40	38.9
Total 1981	591	602	610	645	661	696	711	735	744	741	733	703	681.0
Land	553	561	570	605	619	652	668	689	697	689	681	656	636.7
Marine	38	41	40	40	42	44	43	46	47	52	52	47	44.3
Total 1982	695	678	649	626	612	615	593	562	535	516	502	477	588.3
Land	642	625	597	571	551	546	527	500	476	465	452	428	531.7
Marine	53	53	52	55	61	69	66	62	59	51	50	49	56.7
Total 1983	456	45	447	449	449	471	483	484	501	498	495	496	473.3
Land	407	404	402	410	410	428	437	435	444	448	446	445	426.3
Marine	49	47	45	39	39	43	46	49	57	50	49	51	47.0
Total 1984	477	486	471	473	490	500	529	523	524	497	493	466	494.1
Land	427	433	424	423	444	455	482	470	472	449	444	414	444.8
Marine	50	53	47	50	46	45	47	53	52	48	49	52	49.3
Total 1985	439	406	388	383	364	371	397	390	372	357	346	326	378.3
Land	393	360	340	336	323	324	350	341	323	312	305	287	332.8
Marine	46	46	48	47	41	47	47	49	49	45	41	39	45.4
Total 1986	310	295	240	205	191	180	158	156	155	158	158	157	196.9
Land	271	256	212	185	172	162	138	137	131	136	139	139	173.2
Marine	39	39	28	20	19	18	20	19	24	22	19	18	23.8
Total 1987	160	151	150	164	166	169	183	187	193	195	198	199	176.3
Land	142	132	132	145	146	147	159	159	164	163	170	172	152.6
Marine	18	19	18	19	20	22	24	28	29	32	28	27	23.7

Data from Oil & Gas Journal Energy Database.
Source: Society of Exploration Geophysicists

Seismic Crew Months Worked
By State and Total U.S.

	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975
Alabama	26	41	55	35	45	85	14	34	71	123	114	140	136	69	71	89
Alaska	56	83	68	109	113	71	94	65	108	178	113	67	84	41	129	101
Arizona	38	29	15	34	91	20	12	1	4	5	4	18	24	2	0	10
Arkansas	23	60	44	8	36	30	28	19	37	40	17	53	49	46	48	25
California	146	119	94	89	112	118	158	229	251	115	74	67	81	112	178	104
Colorado	159	154	120	60	39	55	39	70	58	88	26	32	72	69	76	37
Florida	11	8	5	7	13	70	79	29	24	84	66	171	148	99	71	45
Illinois	NA	NA	1	1	3	15	15	0	8	3	5	1	62	72	67	23
Indiana	7	0	0	0	5	11	4	5	1	0	0	0	19	18	10	1
Kansas	123	85	28	49	50	48	14	7	5	41	9	2	20	16	34	24
Kentucky	NA	8	4	2	3	16	19	31	26	5	18	22	21	50	65	31
Louisiana	816	785	644	626	746	930	842	595	527	444	322	316	388	216	234	272
Maryland	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0
Michigan	101	40	38	29	23	36	18	11	46	92	133	185	175	232	201	267
Mississippi	415	253	204	240	257	210	189	246	241	215	241	256	310	176	76	160
Montana	97	129	119	181	102	161	65	42	128	88	86	67	73	62	155	40
Nebraska	43	76	47	6	1	9	0	4	0	2	1	0	7	7	0	0
Nevada	NA	21	12	0	11	6	2	11	49	10	25	7	16	9	16	16
New Mexico	319	311	299	302	213	136	152	89	109	75	62	86	98	94	133	74
New York	NA	16	20	7	8	11	15	2	3	9	5	13	22	28	8	14
North Dakota	81	44	48	39	36	59	55	58	73	90	59	48	56	41	72	34
Ohio	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oklahoma	253	286	227	252	224	197	214	248	238	229	122	205	220	128	153	151
Oregon	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pennsylvania	32	30	23	19	25	16	21	5	12	1	10	46	105	64	44	32
South Dakota	12	4	10	19	8	13	0	1	1	19	6	21	6	8	30	8
Tennessee	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	14	9
Texas	1,858	1,888	1,664	1,644	1,639	1,635	1,373	1,343	1,110	872	728	663	606	642	886	907
Utah	302	228	146	95	56	63	35	67	95	147	108	71	64	51	80	65
Virginia	NA	6	2	4	27	5	1	0	0	0	1	8	5	1	8	0
West Virginia	21	20	25	23	0	25	20	17	13	0	17	25	52	56	45	31
Wyoming	229	249	222	173	140	242	252	222	112	132	91	126	126	264	363	353
Undesignated Land	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	114
Total U.S.	5,207	5,024	4,231	4,174	4,408	4,471	3,835	3,496	3,390	3,259	2,521	2,755	3,140	2,999	3,663	3,416

Seismic Crew Months Worked
By State and Total U.S.

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Alabama	81	13	32	50	126	156	116	105	157	78	16
Alaska	54	24	16	30	37	82	129	58	79	48	16
Arizona	0	1	8	54	35	33	9	4	7	4	5
Arkansas	32	45	48	35	37	67	117	117	40	57	12
California	109	65	119	122	157	192	221	186	152	149	125
Colorado	53	42	61	58	87	56	141	176	208	131	84
Florida	19	17	18	17	21	42	20	37	10	18	6
Illinois	5	4	3	10	5	9	16	11	13	11	1
Indiana	1	0	0	0	6	0	1	3	13	3	0
Kansas	36	28	64	88	76	65	98	75	114	69	35
Kentucky	11	7	1	7	23	12	4	24	3	3	1
Louisiana	340	318	560	665	654	501	563	423	436	280	157
Maryland	3	1	0	1	4	6	2	2	1	0	1
Michigan	266	180	244	111	145	239	159	160	144	241	259
Mississippi	163	199	173	154	168	175	180	124	85	78	38
Montana	85	57	155	135	202	388	224	156	125	43	47
Nebraska	3	5	2	24	13	17	20	14	16	8	7
Nevada	12	38	45	51	47	41	61	39	54	60	16
New Mexico	79	53	89	85	120	136	156	116	114	63	71
New York	15	12	2	2	11	7	7	7	12	9	7
North Dakota	44	96	269	269	242	268	252	114	74	79	42
Ohio	NA	NA	NA	NA	NA	NA	NA	NA	12	9	2
Oklahoma	90	103	234	240	169	301	256	316	231	202	130
Oregon	NA	9	4	0	9	27	27	13	33	19	8
Pennsylvania	25	21	41	33	39	49	37	27	3	17	13
South Dakota	0	1	63	3	2	3	9	14	4	0	7
Tennessee	5	8	9	26	30	34	24	17	19	4	0
Texas	914	722	1,095	1,213	1,438	1,745	1,583	1,353	1,199	932	481
Utah	65	71	163	106	158	122	127	111	121	29	10
Virginia	3	0	4	17	24	31	18	9	3	6	7
West Virginia	13	8	11	15	24	23	9	17	17	4	2
Wyoming	239	183	211	366	274	317	253	323	306	163	114
Undesignated Land	56	502	95	91	190	240	194	147	226	14	0
Total U.S.	**3,140**	**3,083**	**4,148**	**4,400**	**4,962**	**5,877**	**5,876**	**4,943**	**4,679**	**3,494**	**2,024**

Data from Oil & Gas Journal Energy Database.
Source: Independent Petroleum Association of America

Well Servicing Rigs
Total U.S.

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1975													
Available	2,521	2,529	2,536	2,528	2,527	2,547	2,578	2,581	2,579	2,622	3,009	3,412	**2,664**
Working	2,312	2,282	2,299	2,282	2,126	2,172	2,099	2,121	2,202	2,179	2,505	2,675	**2,271**
1976													
Available	3,476	3,469	3,468	3,466	3,469	3,471	3,471	3,481	3,492	3,485	3,483	3,479	**3,476**
Working	2,612	2,490	2,521	2,597	2,575	2,607	2,606	2,656	2,652	2,639	2,601	2,660	**2,601**
1977													
Available	3,483	3,484	3,487	3,493	3,495	3,556	3,564	3,575	3,619	3,633	3,622	3,661	**3,556**
Working	2,474	2,628	2,695	2,804	2,760	2,895	2,929	2,942	2,964	2,973	2,968	2,898	**2,828**
1978													
Available	3,677	3,740	3,695	3,784	3,841	3,847	3,849	3,876	3,872	3,898	3,909	4,053	**3,837**
Working	2,810	2,906	2,899	2,997	2,996	2,987	3,006	3,089	3,073	3,078	2,958	3,063	**2,989**
1979													
Available	4,095	4,124	4,115	4,857	4,857	4,868	4,868	4,876	4,883	4,876	4,876	4,876	**4,681**
Working	3,094	2,698	2,765	3,034	3,369	3,506	3,572	3,621	3,673	3,954	3,795	3,709	**3,399**
1980													
Available	4,877	4,877	4,929	4,929	4,928	4,939	4,901	4,983	4,983	4,983	4,983	4,983	**4,941**
Working	3,855	3,923	4,010	3,871	4,032	4,112	4,092	4,155	4,277	4,290	4,281	4,172	**4,089**
1981													
Available	4,983	4,983	4,983	5,097	5,407	5,878	5,984	5,972	5,972	6,005	6,005	6,124	**5,616**
Working	4,209	4,359	4,238	4,430	4,749	5,093	5,172	5,196	5,164	5,142	5,165	5,279	**4,850**
1982													
Available	6,367	6,390	6,421	6,421	6,492	6,547	6,558	6,629	6,652	6,659	7,815	7,814	**6,730**
Working	5,368	5,220	4,808	4,334	4,328	4,005	3,846	3,779	3,726	3,762	3,933	3,865	**4,248**
1983													
Available	7,810	7,855	7,843	7,881	7,882	7,890	7,891	7,869	7,859	7,852	7,849	7,849	**7,881**
Working	3,786	3,629	3,537	3,413	3,340	3,313	3,431	3,868	3,927	4,024	4,262	4,255	**3,732**
1984													
Available	7,849	7,855	7,925	7,925	8,054	8,054	8,063	8,056	8,030	8,030	8,009	8,009	**7,988**
Working	4,240	4,337	3,989	3,859	4,224	4,864	5,100	5,061	5,157	5,052	5,075	4,998	**4,663**
1985													
Available	8,007	8,007	7,975	7,975	7,975	7,975	7,975	8,048	8,048	8,054	8,016	8,025	**8,007**
Working	4,912	4,856	4,626	4,538	4,655	4,673	4,616	4,845	4,807	4,729	4,745	4,582	**4,715**
1986													
Available	8,025	8,015	8,015	7,989	7,949	7,949	7,949	7,949	7,939	7,909	7,909	7,909	**7,959**
Working	4,582	4,498	3,450	2,942	2,733	2,644	2,656	2,598	2,477	2,468	2,582	2,744	**3,031**
1987													
Available	7,909	7,909	7,909	6,227	6,227	6,204	6,227	6,227	6,227	6,227	6,227	6,227	**6,646**
Working	2,759	2,669	2,558	2,762	2,597	2,745	2,833	3,416	3,412	3,610	3,687	3,667	**3,060**

Data from Oil & Gas Journal Energy Database.
Source: Association of Oilwell Servicing Contractors

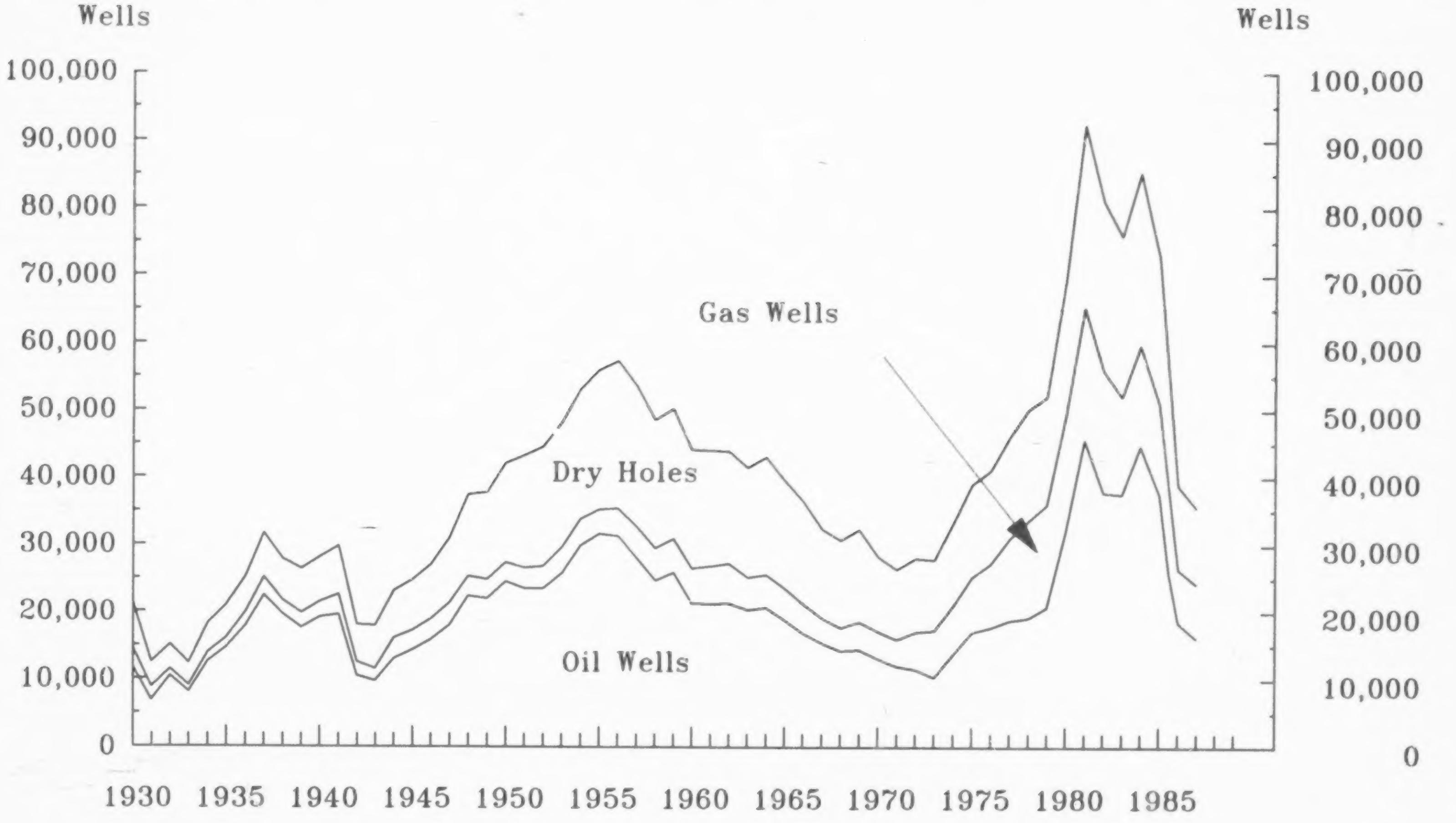
Well Permit Applications
Selected States

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1981													
California	405	483	397	355	455	269	243	382	192	420	284	294	**4,179**
Kansas	2,102	1,506	1,576	2,265	1,547	1,669	1,764	1,435	2,003	1,637	1,369	1,680	**20,553**
Louisiana	421	408	611	550	474	462	612	562	552	549	491	589	**6,281**
Oklahoma	2,034	1,804	2,222	2,053	1,880	1,797	1,939	1,617	1,945	1,567	1,567	2,159	**22,584**
Texas	2,766	2,693	3,097	3,054	2,693	3,390	2,949	3,154	2,864	2,892	2,681	2,073	**34,308**
Wyoming	105	233	210	216	255	126	242	171	212	301	174	210	**2,455**
1982													
California	349	317	273	176	229	196	240	155	254	355	239	244	**3,027**
Kansas	1,480	991	1,449	1,501	1,032	1,100	1,110	1,007	1,213	1,171	1,141	1,323	**14,518**
Louisiana	391	404	375	457	447	532	412	425	465	401	441	431	**5,181**
Oklahoma	1,653	1,947	1,871	1,521	1,417	1,415	1,290	1,226	1,144	1,394	1,325	1,517	**17,720**
Texas	2,604	2,096	2,824	2,106	2,041	2,353	2,021	2,257	2,413	2,372	2,705	2,290	**28,082**
Wyoming	220	115	229	188	156	102	161	157	237	137	191	136	**2,029**
1983													
California	175	225	161	203	216	273	262	227	289	357	252	454	**3,094**
Kansas	852	702	977	802	1,102	1,097	1,271	1,241	1,166	1,292	1,098	999	**12,599**
Louisiana	336	289	318	332	382	405	509	536	536	604	678	575	**5,500**
Oklahoma	1,318	838	1,264	922	1,083	1,195	1,087	1,556	1,276	1,397	1,434	1,549	**14,919**
Texas	2,137	1,922	2,330	2,061	2,279	2,479	2,574	*10,021	1,488	1,970	2,275	2,263	**33,799**
Wyoming	89	87	93	133	35	253	156	200	117	223	186	151	**1,723**
1984													
California	232	527	535	286	264	470	302	419	402	523	253	279	**4,492**
Kansas	831	946	868	980	1,319	1,164	1,178	1,348	1,135	1,345	1,194	955	**13,263**
Louisiana	497	401	458	445	536	598	768	916	692	817	905	603	**7,636**
Oklahoma	1,049	1,178	1,282	1,132	1,211	1,197	1,361	1,375	1,225	1,461	1,344	1,380	**15,195**
Texas	2,059	2,255	2,538	2,884	3,355	2,842	2,937	3,113	2,732	3,149	3,166	3,118	**34,148**
Wyoming	158	154	126	110	170	185	178	192	178	240	167	156	**2,014**
1985													
California	276	412	324	313	387	305	556	440	247	360	393	269	**4,282**
Kansas	795	584	819	817	855	840	993	978	905	781	662	656	**9,685**
Louisiana	482	303	488	397	354	507	619	540	490	498	298	434	**5,410**
Oklahoma	1,015	824	934	1,046	1,000	1,149	1,149	1,206	953	1,123	1,010	1,152	**12,561**
Texas	2,027	2,016	2,301	2,310	2,125	1,939	2,101	2,162	2,057	2,291	2,210	2,262	**25,801**
Wyoming	121	110	149	139	181	125	185	166	207	130	128	99	**1,740**
1986													
California	343	303	535	77	212	90	98	151	273	250	346	97	**2,775**
Kansas	609	393	336	239	268	244	254	234	350	306	302	421	**3,956**
Louisiana	313	284	242	168	129	112	149	180	145	199	145	212	**2,278**
Oklahoma	804	716	619	489	391	376	464	513	535	512	506	660	**6,585**
Texas	1,864	1,417	1,181	864	777	687	1,151	763	896	1,022	887	1,082	**12,591**
Wyoming	111	66	48	61	42	41	76	75	72	60	69	57	**778**
1987													
California	189	145	244	173	395	264	378	344	138	335	316	260	**3,181**
Kansas	244	292	311	334	375	418	418	569	716	613	414	490	**5,194**
Louisiana	123	113	182	176	184	258	240	258	221	223	205	249	**2,432**
Oklahoma	456	415	507	496	519	531	566	688	586	592	511	625	**6,492**
Texas	1,109	850	968	927	867	1,022	1,127	1,120	1,110	1,199	1,056	1,120	**12,475**
Wyoming	38	39	64	60	81	114	120	117	95	134	86	75	**1,023**

* Rise in number of permits is due to fee increase to be effective Sept. 1, 1983.

Data from Oil & Gas Journal Energy Database.
Source: State agencies

U.S. Well Completions By Type



Source: AAPG, OGJ, API

Well Completions* by Type
Total U.S.

	Oil Wells	Gas Wells	Dry Holes	Total Wells+	Footage Drilled@	Success Ratio
1900	13,671	17	3,389	17,077	NA	80.2%
1901	11,811	10	3,276	15,097	NA	78.3%
1902	13,019	15	3,440	16,474	NA	79.1%
1903	15,177	322	3,670	19,169	NA	80.9%
1904	16,008	449	4,088	20,545	NA	80.1%
1905	12,601	382	3,583	16,566	NA	78.4%
1906	14,550	493	3,787	18,830	NA	79.9%
1907	15,534	555	3,579	19,668	NA	81.8%
1908	13,210	485	3,214	16,909	NA	81.0%
1909	13,875	1,048	3,404	18,327	NA	81.4%
1910	11,018	1,500	2,422	14,940	NA	83.8%
1911	9,825	1,580	2,363	13,768	NA	82.8%
1912	12,514	1,811	2,855	17,180	NA	83.4%
1913	19,101	2,207	4,282	25,590	NA	83.3%
1914	16,668	2,327	4,142	23,137	NA	82.1%
1915	9,154	2,022	2,981	14,157	NA	78.9%
1916	18,777	1,803	4,039	24,619	NA	83.6%
1917	16,590	1,966	4,851	23,407	NA	79.3%
1918	17,845	2,229	5,613	25,687	NA	78.1%
1919	21,052	2,135	5,986	29,173	NA	79.5%
1920	24,273	2,274	7,364	33,911	NA	78.3%
1921	14,666	2,111	5,160	21,937	NA	76.5%
1922	17,333	2,024	5,332	24,689	NA	78.4%
1923	16,206	2,367	5,865	24,438	NA	76.0%
1924	14,587	2,257	5,044	21,888	NA	77.0%
1925	16,559	2,330	6,734	25,623	NA	73.7%
1926	19,013	2,341	7,965	29,319	NA	72.8%
1927	14,442	2,491	7,210	24,143	NA	70.1%
1928	12,526	2,727	7,078	22,331	NA	68.3%
1929	15,572	2,870	7,914	26,356	NA	70.0%
1930	11,640	2,866	6,734	21,240	NA	68.3%
1931	6,788	1,985	3,659	12,432	NA	70.6%
1932	10,444	1,027	3,569	15,040	NA	76.3%
1933	8,068	932	3,312	12,312	NA	73.1%
1934	12,520	1,368	4,309	18,197	NA	76.3%
1935	14,663	1,401	4,911	20,975	NA	76.6%
1936	17,800	2,070	5,297	25,167	NA	79.0%
1937	22,386	2,676	6,560	31,622	NA	79.3%
1938	18,598	2,066	6,141	26,805	NA	77.1%
1939	17,625	2,198	6,474	26,297	NA	75.4%
1940	19,125	2,352	6,617	28,094	NA	76.4%
1941	19,552	3,007	7,128	29,687	NA	76.0%
1942	10,492	2,068	5,504	18,064	NA	69.5%
1943	9,717	1,782	6,385	17,884	NA	64.3%
1944	13,028	3,067	7,009	23,104	NA	69.7%
1945	14,297	2,898	7,471	24,666	NA	69.7%
1946	15,851	3,090	8,047	26,988	NA	70.2%
1947	17,961	3,307	9,625	30,893	114,059	68.8%
1948	22,340	2,906	12,112	37,358	137,392	67.6%
1949	21,905	2,886	12,842	37,633	138,003	65.9%
1950	24,416	2,837	14,786	42,039	173,842	64.8%
1951	23,437	3,027	16,704	43,168	172,331	61.3%
1952	23,448	3,246	17,714	44,408	187,190	60.1%
1953	25,748	3,801	18,509	48,058	198,839	61.5%
1954	29,776	3,974	19,285	53,035	218,986	63.6%
1955	31,540	3,614	20,742	55,896	226,270	62.9%
1956	31,196	4,115	21,871	57,182	233,902	61.8%
1957	28,012	4,620	20,983	53,615	223,087	60.9%
1958	24,578	4,803	19,043	48,424	198,224	60.7%
1959	25,800	5,029	19,265	50,094	209,231	61.5%
1960	21,186	5,258	17,574	44,018	190,703	60.1%
1961	21,101	5,664	17,106	43,871	192,116	61.0%
1962	21,249	5,848	16,682	43,779	198,559	61.9%
1963	20,288	4,751	16,347	41,386	184,357	60.5%
1964	20,620	4,855	17,488	42,963	189,922	59.3%
1965	18,761	4,724	16,024	39,509	181,484	59.4%
1966	16,780	4,377	15,227	36,384	165,544	58.1%
1967	15,329	3,659	13,246	32,234	142,959	58.9%
1968	14,227	3,385	12,987	30,599	148,252	57.6%
1969	14,368	4,083	13,736	32,187	160,949	57.3%
1970	13,043	4,031	11,099	28,173	141,966	60.6%
1971	11,903	3,983	10,382	26,268	130,667	60.5%
1972	11,437	5,484	11,013	27,934	142,509	60.6%
1973	10,251	6,975	10,466	27,692	141,874	62.2%
1974	13,664	7,168	12,205	33,037	156,649	63.1%
1975	16,979	8,169	13,736	38,884	184,886	64.7%
1976	17,697	9,438	13,805	40,940	190,864	66.3%
1977	18,700	12,119	15,036	45,855	219,574	67.2%
1978	19,065	14,405	16,591	50,061	242,514	66.9%
1979	20,689	15,166	16,035	51,890	247,351	69.1%
1980	32,120	17,132	20,234	69,486	316,370	70.9%
1981	42,520	19,742	26,972	89,234	412,310	69.8%
1982	37,680	18,151	25,083	80,914	373,164	69.0%
1983	35,991	14,014	23,044	73,049	314,963	68.5%
1984	43,515	14,627	24,864	83,006	369,582	70.0%
1985	36,458	12,917	21,431	70,806	316,778	69.7%
1986	18,550	7,964	12,409	38,923	177,077	68.1%
1987	16,174	8,077	11,367	35,618	162,539	68.1%

* Wells are as reported for 1900-1969. Wells are on an as completed basis for 1970-1984. Wells for 1985-1987 are API estimates of actual wells as completed.
+ Excluding service wells and stratigraphic and core tests.
@ Thousands of feet.

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, American Association of Petroleum Geologists, Oil & Gas Journal, American Petroleum Institute

Well Completions by State
As Completed*

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Alabama	46	79	119	111	86	130	116	136	161	219
Alaska	77	33	30	33	39	69	77	73	76	96
Arizona	13	15	23	10	2	2	2	4	8	4
Arkansas	328	351	344	292	325	330	438	491	450	504
California	2,316	2,095	1,674	1,393	2,397	2,694	2,808	2,553	2,485	2,340
North+	136	149	173	214	219	211	190	165	184	154
Central Coastal+	312	284	212	221	287	303	288	315	208	265
East Central+	1,442	1,375	1,022	797	1,657	1,962	2,074	1,864	1,871	1,672
South+	282	211	187	96	155	152	228	146	137	126
Offshore+	144	76	80	65	79	66	28	63	85	123
Colorado	710	990	975	945	919	1,172	1,152	1,212	1,156	1,069
Florida	29	42	109	60	40	52	26	32	29	32
Georgia	3	1	2	4	5	3	3	0	1	0
Idaho	0	0	1	5	2	1	2	1	7	3
Illinois	753	622	655	656	855	1,129	1,484	1,143	1,202	1,327
Indiana	307	228	284	259	389	400	509	621	685	494
Iowa	5	1	0	0	2	0	0	1	0	0
Kansas	2,574	2,398	2,498	2,244	2,960	3,728	3,705	4,060	4,576	4,436
Kentucky	892	829	817	652	759	1,013	1,189	1,095	1,077	1,195
Louisiana	3,084	3,078	3,244	2,719	2,833	3,105	3,373	3,439	3,817	4,063
North+	763	1,028	1,086	834	1,255	1,257	1,732	1,637	1,882	2,132
South+	1,368	1,189	1,150	1,125	958	1,169	1,069	1,017	1,212	1,208
Offshore+	953	861	1,008	760	620	679	572	785	723	723
Maryland	0	0	1	1	1	3	3	3	3	0
Massachusetts	0	0	0	0	0	0	1	0	0	0
Michigan	281	306	317	307	441	536	530	545	539	538
Mississippi	563	524	455	367	440	454	504	539	496	534
Missouri	15	15	4	13	96	95	44	53	49	85
Montana	473	485	733	685	792	858	773	679	778	822
Nebraska	251	215	275	176	263	347	312	425	451	450
Nevada	9	6	2	0	2	5	8	18	22	12
New Jersey	0	0	0	0	0	0	1	0	0	0
New Mexico	774	867	1,093	1,083	1,193	1,173	1,042	1,407	1,625	1,656
New York	110	129	144	222	373	610	519	485	427	513
North Carolina	0	12	2	7	3	1	1	0	0	0
North Dakota	145	158	94	129	145	205	245	242	341	440
Ohio	1,346	1,256	1,548	1,724	1,552	1,558	2,205	2,768	3,333	3,657
Oklahoma	2,783	2,444	2,502	2,470	3,386	3,960	4,741	5,344	6,164	6,980
Oregon	0	2	0	0	0	0	0	2	0	21
Pennsylvania	759	786	1,100	1,299	1,559	1,270	1,316	1,569	2,182	2,295
South Carolina	0	0	0	0	0	0	0	0	0	0
South Dakota	65	32	19	17	17	27	36	43	50	49
Tennessee	98	170	95	99	181	232	199	287	264	348

Well Completions by State
As Completed*

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Texas	8,130	7,737	8,365	8,656	10,321	13,276	12,982	15,114	15,863	15,810
Dist. 1+	525	693	649	572	630	912	1,222	1,257	939	1,010
Dist. 2+	343	368	460	543	692	826	734	914	1,033	810
Dist. 3+	802	778	852	831	1,013	1,072	1,061	1,261	1,337	1,391
Dist. 4+	838	692	794	761	904	1,077	1,153	1,230	1,307	1,363
Dist. 5+	156	131	118	100	140	173	193	167	254	260
Dist. 6+	363	374	314	312	329	419	399	414	612	650
Dist. 7B+	965	926	1,029	944	1,372	1,897	1,357	2,402	2,610	2,449
Dist. 7C+	435	477	673	858	979	1,197	1,114	1,462	1,321	1,406
Dist. 8+	1,309	1,275	1,334	1,412	1,432	2,031	1,933	1,839	1,826	1,864
Dist. 8A+	1,171	860	768	931	973	1,277	1,082	1,297	1,463	1,282
Dist. 9+	913	928	1,007	877	1,215	1,680	1,880	2,083	2,134	2,385
Dist. 10+	253	197	309	435	476	549	550	477	720	730
Offshore+	57	38	58	80	166	166	304	311	307	210
Utah	87	98	153	208	211	196	131	305	268	284
Virginia	0	7	16	20	45	36	11	25	31	25
Washington	12	0	0	0	0	0	3	0	0	6
West Virginia	1,111	768	669	858	741	772	1,035	1,267	1,537	1,612
Wyoming	1,393	903	1,058	938	1,026	1,327	1,059	1,281	1,489	1,392
Off. Fed. Waters	0	0	0	0	14	35	29	46	29	51
Alaska+	0	0	0	0	0	1	1	11	4	3
Atlantic Coast+	0	0	0	0	0	0	0	1	7	18
Gulf of Mexico+	0	0	0	0	14	34	28	34	18	30
Pacific Coast+	0	0	0	0	0	0	0	0	0	0
Total U.S.	**29,542**	**27,682**	**29,420**	**28,662**	**34,415**	**40,804**	**42,614**	**47,308**	**51,671**	**53,362**
Total Offshore	1,173	976	1,153	915	890	960	951	1,224	1,155	1,115

Well Completions by State
As Completed*

	1980	1981	1982	1983	1984	1985	1986	1987
Alabama	196	222	214	217	383	360	219	184
Alaska	125	172	227	163	186	104	179	87
Arizona	6	14	14	12	2	3	5	4
Arkansas	612	889	825	900	897	1,018	483	394
California	3,039	3,838	3,097	2,733	3,898	3,599	2,098	2,216
North+	247	288	224	215	290	264	158	171
Central Coastal+	343	355	217	169	163	163	109	106
East Central+	2,126	2,702	2,214	2,104	3,201	2,960	1,700	1,866
South+	186	300	211	142	112	120	90	33
Offshore+	137	193	231	103	132	92	41	40
Colorado	1,414	1,977	1,832	1,484	1,806	1,551	1,026	832
Florida	21	25	21	20	24	21	14	9
Georgia	1	2	1	0	3	1	2	0
Idaho	5	5	6	4	3	3	4	0
Illinois	2,482	3,436	3,253	3,035	2,941	2,381	1,300	1,244
Indiana	751	828	1,051	1,022	990	972	439	292
Iowa	0	0	0	0	0	1	3	1
Kansas	6,266	8,551	8,561	7,265	6,550	5,584	3,100	2,895
Kentucky	2,171	3,062	3,804	4,232	3,844	2,643	983	569
Louisiana	5,147	5,503	5,117	5,048	6,891	5,450	2,624	2,219
North+	3,187	3,522	3,225	3,050	4,553	3,450	1,414	1,069
South+	1,316	1,301	1,303	1,197	1,437	1,353	751	769
Offshore+	644	680	589	801	901	647	459	381
Maryland	1	1	0	0	2	0	1	1
Massachusetts	0	0	0	0	0	0	0	0
Michigan	676	787	900	772	1,121	863	514	206
Mississippi	680	788	584	550	615	572	295	313
Missouri	266	397	305	243	260	84	10	12
Montana	902	1,289	816	511	820	609	347	288
Nebraska	514	608	414	369	377	277	156	190
Nevada	21	34	13	8	37	34	18	15
New Jersey	0	0	0	0	0	0	0	0
New Mexico	2,126	2,527	2,100	1,527	1,668	1,743	932	771
New York	507	578	668	413	609	436	228	153
North Carolina	0	0	0	1	1	0	0	1
North Dakota	619	879	696	489	700	497	219	176
Ohio	5,093	6,082	4,814	4,288	4,958	3,743	1,909	1,297
Oklahoma	10,158	13,125	11,390	8,943	9,579	7,617	4,454	3,437
Oregon	41	20	8	0	1	5	10	10
Pennsylvania	3,261	3,962	3,399	2,465	3,533	2,806	1,123	660
South Carolina	0	0	0	0	1	0	0	0
South Dakota	75	90	53	52	44	49	17	13
Tennessee	550	628	627	517	366	237	165	101

Well Completions by State
As Completed*

	1980	1981	1982	1983	1984	1985	1986	1987
Texas	20,038	26,442	25,439	24,089	27,696	24,291	13,177	10,844
Dist. 1+	1,732	2,760	2,528	2,739	3,284	2,683	1,668	1,004
Dist. 2+	849	968	829	698	730	543	454	464
Dist. 3+	2,032	2,813	2,032	1,915	2,132	1,715	872	827
Dist. 4+	1,370	1,430	1,317	1,294	1,515	1,444	814	782
Dist. 5+	379	637	771	580	546	580	374	313
Dist. 6+	705	1,033	1,226	1,081	1,126	1,060	663	554
Dist. 7B+	3,010	4,627	4,467	4,390	5,065	4,186	2,301	1,724
Dist. 7C+	1,768	2,107	2,164	1,781	2,006	1,736	900	706
Dist. 8+	2,338	2,607	2,763	2,818	3,481	3,497	1,820	1,461
Dist. 8A+	1,620	2,130	2,072	1,881	2,479	2,081	977	1,102
Dist. 9+	3,201	4,058	3,946	3,742	3,821	3,481	1,814	1,437
Dist. 10+	789	1,033	1,084	1,008	1,322	1,069	430	385
Offshore+	245	239	240	162	189	216	90	85
Utah	291	555	482	415	493	359	198	110
Virginia	27	32	97	35	67	88	138	19
Washington	3	0	8	5	7	4	0	1
West Virginia	1,924	2,170	2,114	1,619	1,919	1,432	867	727
Wyoming	1,518	2,043	1,719	1,508	1,804	1,533	828	731
Off. Fed. Waters	35	39	60	78	100	138	110	68
Alaska+	4	0	1	0	2	10	5	1
Atlantic Coast+	4	5	7	1	3	0	0	0
Gulf of Mexico+	27	34	48	55	83	124	97	61
Pacific Coast+	0	0	4	22	12	4	8	6
Undesignated@	0	764	697	1,585	2,718	533	365	1,641
Total U.S.	**71,582**	**92,384**	**85,426**	**76,617**	**86,405**	**71,641**	**38,560**	**33,031**
Total Offshore	1,067	1,156	1,134	1,152	1,325	1,104	712	578

* Subject to revision as additional wells are reported which were completed in recent years.

+ Included in total for state or area.

@ State breakdowns unavailable on these wells.

Data from Oil & Gas Journal Energy Database.
Source: American Petroleum Institute

Footage Drilled by State
As Completed*
Thousands of feet

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Alabama	493.1	589.3	1,266.0	1,117.4	841.3	1,216.0	1,182.1	1,115.6	1,059.2	1,455.2
Alaska	815.7	347.2	272.1	304.0	285.4	656.9	760.2	742.7	661.2	990.2
Arizona	48.1	44.0	82.2	47.0	10.3	10.0	8.0	16.8	31.6	13.3
Arkansas	1,715.8	1,921.5	1,952.4	1,658.4	1,747.2	1,671.3	2,058.2	2,420.3	2,220.4	2,470.3
California	6,565.1	5,570.5	4,801.2	4,533.7	6,098.9	6,300.7	6,936.5	6,201.1	6,591.2	6,415.4
North+	849.4	914.9	1,052.4	1,238.6	1,240.6	1,157.0	1,098.7	932.1	1,004.9	943.1
Central Coastal+	1,436.8	1,140.6	919.3	981.7	1,082.9	1,072.9	950.2	1,012.2	663.9	816.6
East Central+	2,602.0	2,440.5	1,906.8	1,716.9	3,024.6	3,438.9	4,003.3	3,581.4	4,079.8	3,714.7
South+	1,081.8	722.8	622.7	380.6	503.6	377.7	738.9	410.1	388.9	446.6
Offshore+	595.1	351.7	300.0	215.9	247.2	254.2	145.4	265.4	453.6	494.4
Colorado	4,062.9	5991.68	5,545.8	5,543.0	5,454.8	6,748.9	5,920.4	6,297.0	5,821.0	5,392.2
Florida	345.8	528.5	1,589.8	776.3	454.3	627.2	308.6	384.5	342.5	409.4
Georgia	13.6	7.1	7.7	25.5	25.3	10.5	9.9	0.0	4.4	0.0
Idaho	0.0	0.0	3.6	39.8	8.5	4.8	17.9	14.3	66.1	30.6
Illinois	1,649.0	1,292.4	1,430.1	1,560.5	2,071.1	2,596.4	3,263.0	3,044.1	3,168.2	3,349.2
Indiana	413.1	312.1	385.3	362.8	601.5	684.8	853.9	1,290.5	1,336.9	906.1
Iowa	10.1	1.6	0.0	0.0	3.4	0.0	0.0	3.3	0.0	0.0
Kansas	7,960.6	7,320.8	8,029.3	7,030.1	8,469.3	10,997.5	11,513.1	13,212.8	15,046.0	14,494.1
Kentucky	1,287.7	1,199.1	1,262.0	1,042.4	1,143.6	1,501.8	1,680.4	1,508.8	1,498.1	1,637.0
Louisiana	26,280.9	24,823.9	25,966.6	22,159.5	19,982.5	22,372.8	21,657.1	23,822.3	27,398.0	28,527.0
North+	2,808.5	3,608.2	3,788.7	3,191.5	4,697.0	4,639.9	5,938.3	6,032.0	6,690.1	7,752.4
South+	13,530.9	12,165.7	12,075.3	11,814.2	9,661.0	11,488.7	10,793.1	10,741.3	13,548.1	13,629.5
Offshore+	9,941.6	9,050.1	10,102.6	7,153.8	5,624.6	6,244.2	4,925.8	7,049.0	7,159.9	7,145.1
Maryland	0.0	0.0	8.1	11.6	5.1	24.1	23.4	22.8	22.8	0.0
Massachusetts	0.0	0.0	0.0	0.0	0.0	0.0	16.0	0.0	0.0	0.0
Michigan	1,066.5	1,273.2	1,518.3	1,600.8	2,176.5	2,514.7	2,359.5	2,516.8	2,438.6	2,370.4
Mississippi	5,045.7	4,680.6	4,042.6	3,293.7	3,571.0	3,608.0	4,105.7	4,552.7	4,480.6	4,713.6
Missouri	9.0	10.2	3.9	17.4	44.8	45.5	23.7	22.7	16.3	20.5
Montana	2,043.3	1,804.7	2,297.0	1,929.2	2,269.4	2,527.1	2,787.9	2,480.1	2,891.6	3,221.1
Nebraska	1,267.5	1,045.7	1,305.6	889.7	1,333.5	1,734.9	1,543.9	2,144.3	2,196.5	1,930.7
Nevada	16.3	50.1	10.5	0.0	18.0	10.1	59.5	83.5	[illegible]	79.4
New Jersey	0.0	0.0	0.0	0.0	0.0	0.0	16.0	0.0	0.0	0.0
New Mexico	4,377.9	4,606.7	5,830.8	5,774.3	6,637.3	6,637.5	5,355.4	7,592.5	8,826.4	9,364.7
New York	185.1	208.4	219.8	401.4	793.2	1,440.5	1,235.8	1,069.1	923.8	1,156.1
North Carolina	0.0	24.1	6.3	28.1	14.7	5.6	3.7	0.0	0.0	0.0
North Dakota	915.6	986.2	603.6	909.0	1,037.9	1,356.2	1,768.3	1,886.9	2,859.0	3,906.0
Ohio	5,393.0	4,856.0	6,455.1	7,284.9	6,308.0	6,149.9	8,518.3	10,742.0	12,504.5	12,905.1
Oklahoma	13,686.7	12,039.1	12,860.1	13,199.8	17,187.7	19,553.8	23,273.0	26,700.4	30,579.0	33,684.8
Oregon	0.0	3.2	0.0	0.0	0.0	0.0	0.0	10.8	0.0	83.0
Pennsylvania	1,404.4	1,331.4	2,125.4	2,921.6	3,315.3	3,103.5	2,863.1	3,855.9	5,438.4	5,736.6
South Carolina	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
South Dakota	221.7	145.9	65.1	92.9	85.3	141.0	209.6	327.8	315.6	238.8
Tennessee	124.2	242.0	114.5	146.8	286.4	356.1	333.9	475.8	449.9	589.8

Footage Drilled by State
As Completed*
Thousands of feet

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Texas	40,898.7	38,931.0	42,458.7	46,438.1	53,010.0	66,590.1	68,371.3	79,108.6	85,765.5	83,267.7
Dist. 1+	2,034.5	2,773.4	2,187.2	2,185.4	2,226.1	3,251.2	5,906.8	6,367.1	4,051.4	3,244.1
Dist. 2+	2,233.9	2,380.6	2,922.6	3,201.5	4,101.0	5,055.5	4,454.1	5,510.8	6,366.5	4,992.2
Dist. 3+	4,741.0	4,652.1	5,460.5	5,662.2	6,338.8	6,960.3	7,287.3	8,787.5	9,552.3	10,355.3
Dist. 4+	5,237.4	4,304.5	5,106.4	4,789.7	5,707.1	6,613.7	7,473.4	8,208.7	9,064.2	9,648.6
Dist. 5+	968.7	801.2	808.0	710.1	799.1	1,021.4	1,064.4	1,092.7	1,648.0	1,783.3
Dist. 6+	1,744.5	1,758.1	1,901.4	1,856.7	2,158.3	2,535.9	2,796.1	3,069.0	4,867.2	5,234.2
Dist. 7B+	2,651.2	2,779.3	2,823.8	2,954.9	4,431.0	6,182.7	4,439.3	7,644.5	8,769.5	7,757.5
Dist. 7C+	2,111.0	2,128.8	3,425.0	4,812.4	5,381.2	6,783.4	6,101.3	7,963.8	7,380.9	7,820.1
Dist. 8+	8,389.3	8,973.5	8,241.8	8,961.6	8,642.9	11,162.3	10,944.2	10,292.6	10,415.5	9,795.2
Dist. 8A+	5,781.5	4,074.5	4,263.3	4,918.1	5,148.2	7,232.3	6,170.2	7,653.0	8,393.1	7,360.2
Dist. 9+	2,683.2	2,524.1	2,665.0	2,774.7	3,670.0	4,414.3	5,351.2	6,321.6	7,281.0	8,148.9
Dist. 10+	1,776.6	1,393.0	2,083.2	2,915.0	3,030.7	3,932.5	3,715.1	3,427.8	5,269.2	5,168.6
Offshore+	545.9	387.9	570.5	696.0	1,375.6	1,444.5	2,667.9	2,769.6	2,607.0	1,959.5
Utah	580.5	687.3	1,285.2	1,786.5	1,692.7	1,581.1	818.2	1,897.9	1,666.3	1,673.4
Virginia	34.2	31.6	67.3	98.6	224.1	168.8	43.5	123.5	147.7	104.0
Washington	0.0	0.0	0.0	0.0	0.0	0.0	7.3	0.0	0.0	2.6
West Virginia	3,534.4	2,314.4	2,080.6	2,673.6	2,275.8	2,282.0	3,234.6	4,183.6	5,279.9	5,643.9
Wyoming	9,500.1	5,445.9	6,556.9	6,176.1	7,060.4	9,286.2	7,464.4	9,274.3	10,040.1	10,026.4
Off. Fed. Waters	0.0	0.0	0.0	0.0	0.0	369.8	259.2	457.9	307.7	543.1
Alaska+	0.0	0.0	0.0	0.0	0.0	5.2	13.8	130.6	50.5	24.4
Atlantic Coast+	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.9	108.2	242.2
Gulf of Mexico+	0.0	0.0	0.0	0.0	0.0	364.7	245.4	305.4	149.0	276.5
Pacific Coast+	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total U.S.	**141,966.5**	**130,667.1**	**142,509.6**	**141,874.4**	**156,649.9**	**184,886.2**	**190,864.6**	**219,574.3**	**242,513.5**	**247,350.8**
Total Offshore	11,287.2	9,794.6	11,030.3	8,154.4	7,427.6	8,451.3	8,170.9	10,712.4	10,599.6	10,210.2

Footage Drilled by State
As Completed*
Thousands of feet

	1980	1981	1982	1983	1984	1985	1986	1987
Alabama	1,258.8	1,390.4	1,279.5	1,233.9	1,923.3	1,912.5	1,279.8	1,092.9
Alaska	1,280.1	1,701.9	2,109.6	1,524.1	1,600.5	911.2	1,718.0	884.8
Arizona	14.0	67.7	77.5	31.7	4.0	11.3	8.6	19.6
Arkansas	3,196.9	4,357.4	4,020.9	4,199.7	4,254.7	4,116.1	1,945.7	1,737.9
California	8,476.5	10,288.2	9,374.4	7,549.7	9,836.8	8,605.8	5,319.4	5,350.9
North+	1,538.5	1,679.4	1,412.8	1,391.0	1,875.6	1,750.8	1,030.8	1,107.3
Central Coastal+	1,213.8	1,329.3	975.4	671.4	640.0	659.5	516.5	432.8
East Central+	4,524.8	5,498.4	5,000.1	4,301.8	6,003.0	5,164.0	3,173.8	3,372.1
South+	639.5	856.3	799.1	562.0	477.0	438.7	313.6	119.2
Offshore+	559.9	924.8	1,187.0	623.6	841.2	592.9	284.7	319.5
Colorado	7,413.0	11,087.9	10,197.3	8,762.6	10,730.2	9,445.4	6,275.4	5,193.0
Florida	253.9	326.3	281.3	261.9	312.3	281.2	203.5	116.0
Georgia	6.9	17.6	6.2	0.0	23.4	2.3	10.1	0.0
Idaho	58.5	60.9	64.8	26.0	34.4	34.2	44.1	0.0
Illinois	6,250.6	9,237.5	8,315.4	6,892.7	7,129.1	5,426.4	2,713.4	2,648.3
Indiana	1,425.1	1,550.9	1,991.1	1,885.2	1,805.0	1,787.1	680.2	439.2
Iowa	0.0	0.0	0.0	0.0	0.0	3.3	6.8	17.9
Kansas	19,958.7	28,498.1	26,152.1	22,018.4	23,129.0	19,408.7	9,579.4	9,356.0
Kentucky	2,919.6	4,370.2	5,433.7	5,744.2	5,333.9	3,674.9	1,582.3	1,045.3
Louisiana	31,891.9	34,112.8	32,242.6	30,506.2	35,585.7	30,064.5	17,000.8	15,143.3
North+	10,716.2	12,601.3	11,371.3	10,076.7	12,288.8	9,683.8	4,624.8	4,379.8
South+	14,727.7	14,653.1	14,790.1	12,528.7	14,617.9	13,962.6	7,778.4	7,035.1
Offshore+	6,448.1	6,858.4	6,081.2	7,900.8	8,679.0	6,418.2	4,597.6	3,728.4
Maryland	5.3	7.5	0.0	0.0	11.6	0.0	5.3	5.3
Massachusetts	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Michigan	2,853.0	3,171.6	3,736.9	3,119.6	4,615.6	3,510.6	2,307.2	2,181.9
Mississippi	6,039.4	7,038.4	5,217.4	4,464.0	5,154.0	4,874.8	2,641.9	2,611.2
Missouri	79.2	163.9	132.6	92.5	85.0	29.2	16.8	21.4
Montana	3,781.9	6,549.2	3,979.5	2,314.3	4,008.5	2,946.3	1,279.0	1,229.8
Nebraska	2,442.3	2,946.0	1,890.1	1,809.6	1,833.7	1,377.1	803.1	1,036.7
Nevada	145.4	180.3	99.9	59.7	225.6	208.1	104.9	97.2
New Jersey	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
New Mexico	12,023.7	14,151.6	11,708.3	8,716.6	10,122.0	10,646.1	5,662.2	4,674.6
New York	1,349.7	1,650.0	2,163.0	1,288.6	1,681.7	1,002.1	512.6	379.8
North Carolina	0.0	0.0	0.0	4.6	1.0	0.0	0.0	4.1
North Dakota	5,775.7	8,197.4	6,947.5	4,386.9	6,150.6	4,460.4	2,025.9	1,578.9
Ohio	18,284.5	21,607.0	17,147.0	15,239.7	18,339.0	14,323.7	7,363.7	5,073.2
Oklahoma	45,844.6	62,638.3	60,375.8	42,808.0	45,862.9	38,095.6	23,075.6	18,529.5
Oregon	125.2	86.9	33.5	0.0	3.5	13.6	26.6	28.8
Pennsylvania	7,361.0	9,542.5	8,298.3	5,861.2	8,336.3	7,978.6	4,131.8	2,737.8
South Carolina	0.0	0.0	0.0	0.0	12.8	0.0	0.0	0.0
South Dakota	287.2	424.4	206.8	187.4	303.3	281.8	70.1	38.1
Tennessee	863.3	1,015.3	1,016.0	742.8	575.5	353.5	264.5	168.0

Footage Drilled by State
As Completed*
Thousands of feet

	1980	1981	1982	1983	1984	1985	1986	1987
Texas	103,971.4	138,426.1	127,514.7	112,818.2	134,513.8	120,990.9	63,821.5	55,939.8
Dist. 1+	5,714.2	9,931.2	7,551.8	6,939.7	8,021.2	6,913.1	3,929.2	3,224.4
Dist. 2+	5,436.0	6,444.2	5,942.8	4,559.5	4,760.9	3,715.1	2,971.6	2,804.7
Dist. 3+	16,178.7	23,449.6	16,536.6	14,114.6	16,359.2	13,063.7	6,465.1	5,783.6
Dist. 4+	9,775.5	10,473.9	10,240.0	9,890.5	11,845.2	10,996.5	6,191.9	6,126.9
Dist. 5+	2,195.7	3,804.3	3,107.8	2,588.5	3,134.7	3,558.5	2,183.7	1,974.5
Dist. 6+	5,430.9	7,799.3	9,590.6	7,538.0	7,925.6	7,250.7	4,211.6	3,616.0
Dist. 7B+	9,639.0	15,568.7	13,643.9	13,242.6	15,209.4	12,887.7	6,771.9	5,432.1
Dist. 7C+	9,868.4	11,544.3	11,746.4	9,420.7	11,159.0	9,734.7	4,766.2	3,751.5
Dist. 8+	12,894.9	15,164.4	15,817.9	14,924.2	19,406.9	20,191.5	10,768.8	8,733.6
Dist. 8A+	9,140.4	12,348.7	11,595.2	10,516.9	13,828.2	12,648.6	5,952.0	6,594.9
Dist. 9+	10,431.7	13,554.1	13,203.7	11,821.3	13,481.7	11,757.4	5,909.2	4,654.6
Dist. 10+	4,943.5	6,055.2	6,205.9	5,607.4	7,402.8	5,981.7	2,737.8	2,391.0
Offshore+	2,322.6	2,288.1	2,332.1	1,624.3	1,978.9	2,291.7	962.5	852.1
Utah	1,665.9	3,661.8	3,168.1	2,526.6	3,409.9	2,596.0	1,414.9	681.6
Virginia	103.8	149.2	433.9	136.2	335.8	476.0	744.4	87.1
Washington	2.2	0.0	51.9	14.7	26.5	21.9	0.0	2.5
West Virginia	7,308.9	8,768.2	9,137.4	7,049.3	8,481.9	5,847.6	3,415.0	2,977.3
Wyoming	11,262.9	14,429.4	12,091.6	9,915.1	12,763.5	10,710.7	6,001.9	4,786.6
Off. Fed. Waters	[illegible]	437.7	660.8	768.7	1,025.2	1,378.2	1,190.2	702.9
Alaska+	44.2	0.0	11.6	0.0	20.0	94.7	56.6	14.7
Atlantic Coast+	64.5	70.4	117.8	14.5	45.4	0.0	0.0	0.0
Gulf of Mexico+	280.1	367.3	508.5	598.1	877.4	1,254.[illegible]	1,074.6	637.1
Pacific Coast+	0.0	0.0	22.8	156.1	82.4	29.2	59.0	51.2
Undesignated@	0.0	2,135.0	1,841.6	3,730.3	3,519.4	1,883.5	1,125.9	6,023.7
Total U.S.	**316,369.8**	**414,445.5**	**379,401.1**	**318,690.9**	**373,101.7**	**319,691.2**	**176,372.5**	**154,643.1**
Total Offshore	9,777.1	10,541.2	10,375.7	11,000.6	12,456.9	10,853.6	7,192.5	5,642.6

* Subject to revision as additional wells are reported which were completed in recent years.
+ Included in total for state or area.
@ State breakdowns are not available for these footage amounts.

Data from Oil & Gas Journal Energy Database.
Source: American Petroleum Institute

Exploratory Well Completions by State
As Completed*

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Alabama	30	55	87	72	48	76	54	47	60	101
Alaska	30	5	12	13	12	24	6	21	12	14
Arizona	9	10	13	2	1	1	2	2	0	2
Arkansas	87	93	98	79	91	77	80	82	95	105
California	243	221	193	202	253	213	257	275	359	395
North+	68	79	81	100	97	99	108	120	144	136
Central Coastal+	35	39	42	34	49	28	37	24	43	47
East Central+	95	69	50	55	89	73	96	110	143	191
South+	30	19	16	11	13	8	9	4	14	13
Offshore+	15	15	4	2	5	5	7	17	15	8
Colorado	461	605	473	462	374	405	389	392	449	456
Florida	13	18	39	34	28	34	9	14	15	11
Georgia	3	1	2	4	5	3	3	0	1	0
Idaho	0	0	1	5	2	1	2	1	7	3
Illinois	198	152	157	213	225	253	226	238	277	284
Indiana	149	110	130	139	168	156	196	276	268	183
Iowa	3	1	0	0	2	0	0	1	0	0
Kansas	882	735	773	754	855	909	893	1,043	1,181	1,022
Kentucky	234	213	217	165	197	341	425	368	353	423
Louisiana	669	830	731	678	652	722	607	640	782	665
North+	140	176	171	143	224	203	195	209	261	229
South+	379	380	360	333	279	372	318	293	400	313
Offshore+	150	274	200	202	149	147	94	138	121	123
Maryland	0	0	1	0	1	1	0	0	0	0
Massachusetts	0	0	0	0	0	0	0	0	0	0
Michigan	152	162	182	191	264	282	294	297	267	255
Mississippi	232	213	237	209	288	260	265	272	241	242
Missouri	4	7	3	11	20	19	9	8	6	15
Montana	307	323	430	448	420	355	362	273	324	349
Nebraska	167	130	185	102	167	206	193	235	265	265
Nevada	2	6	2	0	2	5	8	12	14	11
New Jersey	0	0	0	0	0	0	0	0	0	0
New Mexico	159	158	200	191	215	162	162	180	205	212
New York	11	10	14	21	53	35	40	49	45	60
North Carolina	0	12	2	7	3	1	0	0	0	0
North Dakota	87	98	60	71	76	105	122	111	162	175
Ohio	35	41	64	160	134	157	133	81	77	114
Oklahoma	452	430	400	353	399	411	452	490	495	479
Oregon	0	2	0	0	0	0	0	2	0	17
Pennsylvania	43	21	83	94	124	88	67	116	94	105
South Carolina	0	0	0	0	0	0	0	0	0	0
South Dakota	64	24	18	16	11	24	29	20	21	32
Tennessee	50	113	68	68	117	169	153	177	149	163

Exploratory Well Completions by State
As Completed*

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Texas	2,022	1,848	2,077	2,416	3,141	3,291	3,276	3,726	4,085	3,910
Dist. 1+	205	191	167	192	205	205	293	376	280	311
Dist. 2+	186	179	150	270	377	413	338	385	466	399
Dist. 3+	326	262	345	395	439	452	488	510	523	390
Dist. 4+	218	193	249	274	327	350	360	421	513	609
Dist. 5+	82	63	65	64	75	76	55	65	87	92
Dist. 6+	101	107	109	87	114	134	97	108	113	149
Dist. 7B+	254	253	278	292	470	541	415	579	735	642
Dist. 7C+	138	131	164	187	219	270	347	369	337	292
Dist. 8+	159	125	147	131	170	203	200	202	219	190
Dist. 8A+	109	132	125	105	162	186	187	227	229	237
Dist. 9+	142	150	179	263	329	239	274	308	354	411
Dist. 10+	53	31	47	87	97	72	48	45	69	65
Offshore+	49	31	52	69	157	150	174	131	160	123
Utah	46	61	77	77	55	64	41	103	80	89
Virginia	0	0	1	3	8	8	3	9	5	4
Washington	0	0	0	0	0	0	3	0	0	0
West Virginia	88	66	89	109	81	95	114	115	151	124
Wyoming	504	357	432	402	463	473	415	440	470	411
Off. Fed. Waters	0	0	0	0	14	33	27	24	15	39
Alaska+	0	0	0	0	0	0	0	7	4	3
Atlantic Coast+	0	0	0	0	0	0	0	0	7	18
Gulf of Mexico+	0	0	0	0	14	33	27	17	4	18
Pacific Coast+	0	0	0	0	0	0	0	0	0	0
Total U.S.	**7,436**	**7,131**	**7,551**	**7,771**	**8,989**	**9,459**	**9,317**	**10,140**	**11,030**	**10,735**
Total Offshore	215	320	256	276	325	336	302	313	313	295

Exploratory Well Completions by State
As Completed*

	1980	1981	1982	1983	1984	1985	1986	1987
Alabama	77	75	79	[illegible]	121	143	77	68
Alaska	16	20	10	3	10	5	1	3
Arizona	6	8	7	11	2	2	5	4
Arkansas	111	154	128	154	133	122	84	79
California	443	538	468	195	204	201	126	151
North+	197	217	179	87	97	99	71	92
Central Coastal+	59	69	67	21	25	27	10	8
East Central+	160	231	193	67	63	67	40	42
South+	20	14	13	4	6	4	5	3
Offshore+	7	7	16	16	13	4	0	6
Colorado	553	849	653	504	579	563	283	238
Florida	8	10	12	13	12	10	6	4
Georgia	1	2	1	0	3	1	2	0
Idaho	5	5	6	4	3	3	4	0
Illinois	487	736	695	729	699	537	288	213
Indiana	327	347	451	453	404	403	148	123
Iowa	0	0	0	0	0	1	3	1
Kansas	1,237	1,848	1,838	1,718	2,346	1,503	1,104	1,216
Kentucky	619	870	1,119	1,375	972	635	195	103
Louisiana	808	971	801	592	763	621	420	350
North+	334	389	330	252	286	240	112	129
South+	328	406	314	226	280	216	168	99
Offshore+	146	176	157	114	197	165	140	122
Maryland	1	1	0	0	2	0	1	1
Massachusetts	0	0	0	0	0	0	0	0
Michigan	316	402	449	302	536	454	257	270
Mississippi	310	357	268	252	282	260	109	116
Missouri	22	78	79	43	28	15	5	6
Montana	382	521	275	181	251	222	143	98
Nebraska	252	279	197	187	180	160	85	121
Nevada	20	28	11	7	32	25	18	13
New Jersey	0	0	0	0	0	0	0	0
New Mexico	273	358	314	192	225	288	157	150
New York	59	79	44	41	30	18	7	5
North Carolina	0	0	0	1	1	0	0	1
North Dakota	256	461	371	211	279	219	126	93
Ohio	66	151	180	114	108	84	30	19
Oklahoma	554	733	707	567	515	406	216	227
Oregon	32	20	8	0	1	3	8	6
Pennsylvania	255	342	165	92	102	60	21	18
South Carolina	0	0	0	0	1	0	0	0
South Dakota	33	47	33	34	16	16	17	7
Tennessee	293	333	413	328	164	117	56	25

Exploratory Well Completions by State
As Completed*

	1980	1981	1982	1983	1984	1985	1986	1987
Texas	4354	5,688	5,077	4,524	5,111	4,174	2,503	2,190
Dist. 1+	278	401	296	242	269	214	175	157
Dist. 2+	418	412	395	331	312	241	230	225
Dist. 3+	461	640	445	363	455	368	199	201
Dist. 4+	574	607	539	526	564	476	234	207
Dist. 5+	109	143	132	89	124	109	55	47
Dist. 6+	153	205	192	170	192	192	133	123
Dist. 7B+	883	1,348	1,155	1,166	1,364	850	494	392
Dist. 7C+	399	500	458	359	364	326	197	149
Dist. 8+	218	241	280	248	267	248	153	124
Dist. 8A+	299	402	308	279	363	342	201	191
Dist. 9+	404	636	720	630	671	622	354	294
Dist. 10+	45	28	16	12	55	68	31	29
Offshore+	113	125	141	109	111	118	47	51
Utah	112	208	149	132	112	54	37	42
Virginia	2	6	26	14	3	3	7	2
Washington	2	0	5	1	1	2	0	1
West Virginia	119	170	156	60	37	35	12	14
Wyoming	435	708	537	473	607	552	363	309
Off. Fed. Waters	24	27	34	36	74	109	65	36
Alaska+	4	0	1	0	2	10	3	0
Atlantic Coast+	4	5	7	1	3	0	0	0
Gulf of Mexico+	16	22	22	13	57	95	58	36
Pacific Coast+	0	0	4	22	12	4	4	0
Undesignated@	0	0	76	238	98	52	55	151
Total U.S.	**12,870**	**17,430**	**15,842**	**13,865**	**15,047**	**12,078**	**7,044**	**6,474**
Total Offshore	290	335	348	275	394	401	254	215

* Subject to revision as additional wells are reported which were completed in recent years.
+ Included in total for state or area.
@ State breakdowns are not available for these wells. Negative values indicate reclassified wells.

Data from Oil & Gas Journal Energy Database.
Source: American Petroleum Institute

U.S. Well Completions
As Completed*

	Oil		Gas		Dry		Total excluding Serv. & Strat.+		Total including Serv. & Strat.+	
	Wells	Footage	Wells	Footage	Wells	Footage	Wells	Footage	Wells	Footage
January 1970	1,141	4,858,326	384	2,201,916	1,050	5,872,281	2,575	12,932,523	2,693	13,217,048
February	1,246	5,302,693	317	1,897,586	762	4,284,288	2,325	11,484,567	2,449	11,724,999
March	1,018	4,485,537	305	1,927,705	795	4,296,368	2,118	10,709,610	2,215	10,991,411
April	1,001	4,557,203	296	1,872,689	807	4,269,227	2,104	10,699,119	2,271	11,061,802
May	1,097	4,636,590	320	1,966,779	915	4,744,811	2,332	11,348,180	2,419	11,585,720
June	1,181	4,753,903	335	2,189,983	898	4,622,182	2,414	11,566,068	2,506	11,800,797
July	1,100	4,877,808	310	1,905,437	974	4,906,473	2,384	11,689,718	2,519	11,938,470
August	1,073	4,769,604	307	1,716,847	929	4,800,956	2,309	11,287,407	2,394	11,484,848
September	998	4,611,144	330	1,843,021	883	4,455,179	2,211	10,909,344	2,330	11,153,799
October	1,010	4,549,024	349	1,960,315	972	4,728,515	2,331	11,237,854	2,433	11,477,450
November	1,004	4,305,428	332	1,863,988	954	4,848,160	2,290	11,017,576	2,381	11,347,095
December	1,174	5,123,483	446	2,270,599	1,160	6,283,479	2,780	13,677,561	2,932	14,183,054
Total 1970	**13,043**	**56,830,743**	**4,031**	**23,616,865**	**11,099**	**58,111,919**	**28,173**	**138,559,527**	**29,542**	**141,966,493**
January 1971	1,016	4,572,820	343	2,175,863	871	4,876,559	2,230	11,625,242	2,354	11,928,064
February	937	3,698,318	279	1,943,442	645	3,460,461	1,861	9,102,221	1,947	9,307,039
March	1,038	4,341,764	260	1,773,359	648	3,308,125	1,946	9,423,248	2,056	9,719,095
April	1,063	4,252,568	291	1,725,639	707	3,579,901	2,061	9,558,108	2,171	9,793,283
May	939	4,007,809	288	1,759,028	757	3,964,649	1,984	9,731,486	2,116	9,998,577
June	951	4,036,243	311	1,871,479	895	4,528,102	2,157	10,435,824	2,294	10,760,366
July	1,003	4,143,074	353	2,018,685	922	4,821,832	2,278	10,983,591	2,415	11,318,795
August	945	4,011,821	357	2,082,155	893	4,678,176	2,195	10,772,152	2,322	11,069,287
September	965	3,856,493	352	1,955,982	910	4,840,906	2,227	10,653,381	2,351	10,942,835
October	1,032	3,951,631	382	1,917,472	1,052	5,348,804	2,466	11,217,907	2,595	11,487,099
November	1,012	4,008,158	376	2,035,590	1,051	4,509,233	2,439	11,652,981	2,562	11,986,832
December	1,002	4,177,021	391	2,161,158	1,031	5,761,632	2,424	12,099,811	2,499	12,355,853
Total 1971	**11,903**	**49,057,720**	**3,983**	**23,419,852**	**10,382**	**53,678,380**	**26,268**	**127,255,952**	**27,682**	**130,667,125**
January 1972	970	4,247,779	433	2,551,256	1,035	5,677,684	2,438	12,476,719	2,581	12,829,582
February	1,029	4,389,967	382	2,353,491	784	4,400,068	2,195	11,143,526	2,331	11,428,715
March	1,085	4,662,161	348	2,113,319	795	4,276,865	2,228	11,052,345	2,396	11,482,587
April	970	4,524,556	400	2,333,706	836	4,374,341	2,206	11,232,603	2,354	11,614,518
May	1,060	4,456,646	392	2,362,811	835	4,431,681	2,287	11,251,138	2,416	11,611,156
June	963	3,874,400	424	2,280,203	968	4,804,688	2,355	10,959,291	2,470	11,275,380
July	968	4,185,170	458	2,374,165	914	5,063,906	2,340	11,623,241	2,457	11,892,697
August	1,049	4,272,477	574	1,863,188	980	5,187,039	2,603	12,322,704	2,740	12,655,677
September	948	4,230,932	468	2,477,941	934	4,799,830	2,350	11,508,703	2,523	11,893,417
October	845	3,726,592	597	3,159,984	1,052	5,694,206	2,494	12,580,782	2,574	12,799,566
November	798	3,531,805	521	2,798,198	944	5,156,685	2,263	11,486,688	2,309	11,602,376
December	752	3,381,479	487	2,588,453	936	5,188,890	2,175	11,158,822	2,269	11,423,943
Total 1972	**11,437**	**49,483,964**	**5,484**	**29,256,715**	**11,013**	**59,055,883**	**27,934**	**138,796,562**	**29,420**	**142,509,614**
January 1973	784	3,655,120	522	2,718,529	887	5,209,912	2,193	11,583,561	2,278	11,801,226
February	703	3,186,184	454	2,704,221	757	4,293,473	1,914	10,183,878	1,987	10,369,732
March	857	3,774,564	496	2,835,840	823	4,511,368	2,176	11,121,773	2,261	11,311,510
April	688	3,235,137	548	3,156,596	668	3,712,142	1,904	10,103,875	1,967	10,279,293
May	897	4,085,379	603	3,377,850	819	4,464,313	2,319	11,927,542	2,372	12,070,115
June	922	4,095,754	551	2,894,618	833	4,369,581	2,306	11,359,953	2,369	11,509,761
July	867	3,687,114	617	3,212,662	904	4,649,555	2,388	11,549,331	2,462	11,763,664
August	984	4,249,520	695	3,720,301	1,031	5,213,053	2,710	13,182,874	2,806	13,408,147
September	902	3,820,540	577	3,188,670	873	4,513,783	2,352	11,522,993	2,419	11,718,074
October	900	3,738,024	697	3,610,428	966	5,315,478	2,563	12,663,930	2,672	12,989,845
November	918	3,861,831	621	3,429,963	916	4,900,245	2,455	12,192,039	2,559	12,422,737
December	829	3,370,025	594	3,361,930	989	5,301,034	2,412	12,032,989	2,510	12,230,272
Total 1973	**10,251**	**44,759,192**	**6,975**	**38,211,608**	**10,466**	**56,453,938**	**27,692**	**139,424,738**	**28,662**	**141,874,376**

U.S. Well Completions
As Completed*

	Oil		Gas		Dry		Total excluding Serv. & Strat.+		Total including Serv. & Strat.+	
	Wells	Footage	Wells	Footage	Wells	Footage	Wells	Footage	Wells	Footage
January 1974	914	3,821,342	686	3,472,733	869	4,665,833	2,469	11,959,908	2,530	12,129,353
February	886	3,539,722	547	2,905,287	802	5,635,630	2,235	10,980,639	2,304	11,160,235
March	1,068	4,441,941	659	3,413,015	905	4,982,380	2,632	12,837,336	2,749	13,080,094
April	1,133	4,486,031	627	3,582,310	963	5,140,893	2,723	13,209,234	2,817	13,462,532
May	1,196	4,430,318	603	3,355,764	1,032	5,334,661	2,831	13,120,743	2,942	13,448,576
June	1,219	4,498,919	589	3,064,979	962	4,849,218	2,770	12,413,116	2,878	12,616,759
July	1,255	4,859,398	605	3,221,406	1,127	5,814,960	2,987	13,895,764	3,104	14,128,970
August	1,215	4,260,856	554	2,883,415	1,074	5,575,892	2,843	12,720,163	2,933	12,927,613
September	1,090	4,192,284	572	3,151,840	1,073	5,324,743	2,735	12,668,867	2,862	12,879,578
October	1,279	4,864,465	634	3,247,130	1,153	5,704,423	3,066	13,816,018	3,203	14,127,008
November	1,107	3,999,472	527	3,068,055	1,104	5,555,857	2,738	12,623,384	2,909	12,890,976
December	1,302	4,675,564	565	3,115,603	1,141	5,740,060	3,008	13,531,227	3,184	13,798,176
Total 1974	**13,664**	**52,070,312**	**7,168**	**38,481,537**	**12,205**	**64,324,550**	**33,037**	**153,776,399**	**34,415**	**156,649,870**
January 1975	1,315	5,413,635	619	3,506,016	1,143	5,975,022	3,077	14,894,673	3,278	15,246,268
February	1,070	4,351,900	539	3,150,347	872	4,845,066	2,481	12,347,313	2,711	12,713,010
March	1,320	5,400,416	534	3,066,346	1,036	5,813,645	2,890	14,280,407	3,046	14,566,942
April	1,336	5,442,334	595	3,443,958	1,041	5,367,056	2,972	14,253,348	3,111	14,513,938
May	1,355	5,522,330	637	3,741,542	1,048	5,513,767	3,040	14,777,639	3,199	15,075,957
June	1,433	5,357,926	681	3,699,127	1,090	5,455,520	3,204	14,512,573	3,324	14,806,011
July	1,453	5,728,657	732	3,819,429	1,168	5,830,162	3,353	15,378,248	3,455	15,635,367
August	1,544	5,796,138	838	4,363,330	1,198	5,828,182	3,580	15,987,650	3,753	16,371,402
September	1,499	5,865,575	792	4,167,603	1,269	5,855,372	3,560	15,888,550	3,664	16,160,105
October	1,726	6,532,475	843	4,269,200	1,382	6,588,547	3,951	17,390,222	4,197	17,836,850
November	1,437	5,507,776	678	3,553,622	1,234	6,003,555	3,349	15,064,953	3,482	15,372,503
December	1,491	6,006,705	681	3,700,194	1,255	6,557,518	3,427	16,264,417	3,584	16,587,888
Total 1975	**16,979**	**66,925,867**	**8,169**	**44,480,714**	**13,736**	**69,633,412**	**38,884**	**181,039,993**	**40,804**	**184,886,241**
January 1976	1,711	6,471,244	869	4,437,225	1,323	6,709,846	3,903	17,618,314	4,166	18,039,384
February	1,286	5,119,258	694	3,808,629	1,049	5,172,155	3,029	14,100,042	3,195	14,451,411
March	1,499	5,835,181	717	3,853,175	1,176	6,027,688	3,392	15,716,044	3,502	15,971,060
April	1,470	5,734,777	661	3,604,364	1,132	5,625,413	3,263	14,964,554	3,354	15,150,977
May	1,385	5,349,631	709	3,801,759	1,073	5,079,020	3,167	14,230,410	3,297	14,501,809
June	1,543	5,955,595	780	4,147,610	1,124	5,198,699	3,447	15,301,904	3,565	15,555,553
July	1,336	5,213,785	799	4,058,873	1,081	5,615,980	3,216	14,888,638	3,336	15,132,590
August	1,586	5,950,879	970	4,781,871	1,098	5,368,881	3,654	16,101,631	3,819	16,396,747
September	1,478	5,760,277	864	4,298,523	1,156	5,792,606	3,498	15,851,406	3,643	16,164,583
October	1,532	6,069,975	819	4,244,272	1,245	6,357,909	3,596	16,672,156	3,688	16,930,980
November	1,399	5,546,827	845	4,309,173	1,164	6,009,450	3,408	15,865,450	3,508	16,136,077
December	1,472	5,820,267	711	3,852,215	1,184	6,306,554	3,367	15,979,036	3,541	16,433,384
Total 1976	**17,697**	**68,827,696**	**9,438**	**49,197,889**	**13,805**	**69,264,201**	**40,940**	**187,289,585**	**42,614**	**190,864,555**
January 1977	1,388	5,744,725	851	4,331,421	1,097	5,926,871	3,336	16,003,017	3,462	16,318,234
February	1,348	5,572,602	784	4,272,302	1,003	5,359,260	3,135	15,204,164	3,242	15,460,639
March	1,657	6,815,220	1,010	5,388,632	1,216	6,280,051	3,883	18,483,902	4,013	18,795,920
April	1,515	6,136,592	901	4,763,699	1,143	5,969,935	3,559	16,870,226	3,681	17,162,496
May	1,594	6,403,677	945	4,906,190	1,254	6,477,654	3,793	17,787,520	3,955	18,172,600
June	1,675	6,638,365	1,095	5,732,529	1,202	6,069,313	3,972	18,440,206	4,082	18,759,204
July	1,507	6,002,887	1,034	5,126,281	1,261	6,388,587	3,802	17,517,754	3,905	17,819,040
August	1,691	6,745,253	1,185	6,324,139	1,344	6,773,972	4,220	19,843,364	4,365	20,281,802
September	1,621	6,574,649	1,074	5,615,278	1,323	6,371,677	4,018	18,561,604	4,137	18,933,084
October	1,624	6,440,950	1,161	6,243,654	1,428	7,280,340	4,213	19,964,944	4,346	20,342,222
November	1,557	6,117,174	1,014	5,385,055	1,385	6,861,918	3,956	18,364,146	4,065	18,659,924
December	1,523	5,998,986	1,065	5,410,695	1,380	7,245,345	3,968	18,655,026	4,055	18,869,156
Total 1977	**18,700**	**75,191,080**	**12,119**	**63,499,875**	**15,036**	**77,004,923**	**45,855**	**215,695,873**	**47,308**	**219,574,321**

U.S. Well Completions
As Completed*

	Oil		Gas		Dry		Total excluding Serv. & Strat.+		Total including Serv. & Strat.+	
	Wells	Footage	Wells	Footage	Wells	Footage	Wells	Footage	Wells	Footage
January 1978	1,392	5,729,470	1,081	5,708,330	1,351	6,867,600	3,824	18,305,400	3,911	18,483,228
February	1,170	4,918,663	862	4,654,818	1,041	5,773,431	3,073	15,346,912	3,181	15,643,434
March	1,452	6,181,667	1,079	6,236,879	1,284	7,003,399	3,815	19,421,944	3,954	19,807,146
April	1,782	7,261,180	1,140	6,378,513	1,312	6,690,956	4,234	20,330,648	4,372	20,675,168
May	1,695	6,776,412	1,181	6,243,819	1,352	7,154,195	4,228	20,174,426	4,425	20,613,958
June	1,759	6,867,070	1,244	6,554,622	1,412	7,106,269	4,415	20,527,960	4,547	20,967,220
July	1,553	6,102,085	1,210	6,216,291	1,414	7,360,271	4,177	19,678,646	4,362	20,066,918
August	1,688	6,727,166	1,355	6,952,389	1,524	7,667,593	4,567	21,347,148	4,730	21,751,432
September	1,586	6,497,421	1,303	6,543,800	1,495	7,765,227	4,384	20,806,448	4,502	21,114,026
October	1,854	7,267,587	1,426	7,501,461	1,571	7,901,477	4,851	22,670,524	4,986	22,982,242
November	1,632	6,322,452	1,282	6,347,638	1,435	7,606,802	4,349	20,276,892	4,459	20,585,130
December	1,502	5,970,166	1,242	6,251,404	1,400	7,277,725	4,144	19,499,294	4,242	19,823,608
Total 1978	**19,065**	**76,621,339**	**14,405**	**75,589,964**	**16,591**	**88,174,945**	**50,061**	**238,386,242**	**51,671**	**242,513,510**
January 1979	1,340	5,694,914	1,334	6,790,673	1,232	6,867,732	3,906	19,353,318	4,003	19,602,848
February	1,150	5,205,455	910	5,053,848	1,002	5,664,665	3,062	15,923,968	3,155	16,158,086
March	1,369	6,082,127	1,104	6,472,606	1,187	6,243,267	3,660	18,798,000	3,752	19,065,568
April	1,378	5,728,120	1,110	6,017,901	1,105	5,836,278	3,593	17,582,298	3,731	17,986,064
May	1,656	6,444,885	1,256	6,850,535	1,242	6,310,682	4,154	19,606,102	4,275	19,936,466
June	1,724	6,754,195	1,335	6,853,941	1,275	6,248,389	4,334	19,856,524	4,458	20,235,092
July	1,850	7,185,844	1,273	6,269,923	1,271	6,203,810	4,394	19,659,576	4,493	19,919,674
August	1,932	7,710,808	1,417	7,256,086	1,506	7,522,332	4,855	22,489,266	4,994	22,794,738
September	1,906	7,317,532	1,295	6,440,784	1,450	7,248,814	4,651	21,007,130	4,770	21,274,772
October	2,283	8,516,443	1,569	8,094,077	1,657	7,995,423	5,509	24,605,942	5,680	24,925,416
November	1,996	7,708,221	1,312	4,914,845	1,538	7,543,266	4,846	22,166,292	4,983	22,486,606
December	2,105	7,794,030	1,251	6,859,667	1,570	7,983,352	4,926	22,637,048	5,068	22,965,414
Total 1979	**20,689**	**82,142,574**	**15,166**	**77,874,886**	**16,035**	**81,668,010**	**51,890**	**243,685,464**	**53,362**	**247,350,744**
January 1980	2,443	9,277,620	1,542	7,760,497	1,570	7,999,204	5,555	25,037,320	5,701	25,376,130
February	2,142	8,399,163	1,233	6,452,415	1,287	6,554,629	4,662	21,406,206	4,765	21,634,392
March	2,325	9,079,150	1,270	7,043,775	1,362	7,068,803	4,957	23,191,728	5,138	23,564,910
April	2,388	9,472,724	1,270	7,130,711	1,438	6,880,381	5,096	23,483,816	5,299	23,943,198
May	2,522	9,691,813	1,297	6,943,612	1,595	8,056,569	5,414	24,691,994	5,650	25,303,364
June	2,765	10,593,643	1,560	8,297,139	1,710	8,235,502	6,035	27,126,284	6,224	27,725,844
July	2,866	10,792,684	1,474	7,861,212	1,774	8,396,496	6,114	27,050,392	6,265	27,389,996
August	2,925	11,102,961	1,532	7,524,087	1,923	8,880,627	6,380	27,507,674	6,587	27,982,078
September	2,884	10,796,285	1,609	8,541,325	1,889	9,041,835	6,382	28,379,444	6,542	28,796,064
October	3,126	11,983,819	1,607	8,284,163	1,926	8,969,872	6,659	29,237,854	6,860	29,679,646
November	2,827	10,727,224	1,397	7,309,102	1,859	8,737,009	6,083	26,773,334	6,234	27,070,168
December	2,907	11,346,627	1,341	7,204,033	1,901	9,008,126	6,149	27,558,786	6,297	27,904,050
Total 1980	**32,120**	**123,263,713**	**17,132**	**90,352,071**	**20,234**	**97,829,053**	**69,486**	**311,444,832**	**71,562**	**316,369,840**
January 1981	3,730	13,581,058	1,968	10,379,941	2,253	10,897,259	7,951	34,858,256	8,221	35,548,304
February	2,946	11,767,569	1,366	7,513,559	1,759	8,599,093	6,071	27,880,220	6,203	28,194,434
March	3,434	13,584,324	1,484	8,218,238	2,047	10,343,518	6,965	32,146,080	7,164	32,712,182
April	3,377	13,515,207	1,537	8,277,987	2,020	9,987,161	6,934	31,780,354	7,103	32,203,550
May	3,547	14,047,404	1,638	8,956,893	2,181	10,564,965	7,366	33,569,260	7,603	34,126,400
June	3,661	14,584,205	1,648	8,602,446	2,251	10,771,159	7,560	33,957,808	7,739	34,478,540
July	3,745	14,944,133	1,604	8,588,688	2,341	11,077,480	7,690	34,610,300	7,886	35,145,440
August	3,795	14,774,394	1,784	9,376,620	2,506	12,352,060	8,085	36,503,072	8,247	36,842,752
September	3,664	14,699,262	1,784	9,182,636	2,369	11,488,685	7,817	35,370,580	8,045	35,833,216
October	3,494	14,345,915	1,804	9,547,958	2,472	12,037,441	7,770	35,931,312	7,965	36,365,740
November	3,408	13,513,870	1,547	8,144,038	2,341	11,406,513	7,296	33,064,420	7,493	33,560,688
December	3,719	15,348,615	1,578	8,990,077	2,432	12,510,082	7,729	36,848,772	7,931	37,299,192
Total 1981	**42,520**	**168,705,956**	**19,742**	**105,779,081**	**26,972**	**132,035,416**	**89,234**	**406,520,434**	**91,600**	**412,310,438**

U.S. Well Completions
As Completed*

	Oil		Gas		Dry		Total excluding Serv. & Strat.+		Total including Serv. & Strat.+	
	Wells	Footage	Wells	Footage	Wells	Footage	Wells	Footage	Wells	Footage
January 1982	3,836	14,850,807	1,921	11,022,667	2,574	12,964,623	8,3[illegible]	38,838,096	8,527	39,367,460
February	2,975	12,362,823	1,559	8,797,922	2,014	10,628,722	6,548	31,789,466	6,732	32,306,492
March	3,752	15,798,852	1,668	9,950,291	2,241	11,406,949	7,661	37,156,092	7,834	37,576,452
April	3,460	13,965,826	1,504	9,400,075	2,151	10,248,620	7,115	32,614,520	7,268	32,948,502
May	3,147	12,338,125	1,521	8,886,352	1,920	9,215,460	6,588	30,439,936	6,776	30,912,350
June	2,896	11,265,646	1,503	8,381,250	1,953	9,199,398	6,352	28,846,294	6,525	29,220,096
July	3,000	1,202,581	1,427	8,078,145	2,076	9,337,869	6,503	28,618,594	6,748	29,084,598
August	3,109	11,694,152	1,478	8,336,179	2,126	9,853,307	6,713	29,883,638	6,890	30,293,030
September	2,849	10,357,103	1,413	8,019,111	2,007	9,389,043	6,269	27,765,256	6,500	28,249,738
October	2,899	10,804,655	1,350	7,781,562	2,044	9,397,012	6,293	27,983,228	6,463	28,442,316
November	2,829	10,001,119	1,338	7,476,179	1,936	8,623,826	6,103	26,101,124	6,219	26,447,492
December	2,928	10,538,041	1,469	7,775,491	2,041	9,617,609	6,438	27,931,140	6,610	28,315,564
Total 1982	**37,680**	**135,179,730**	**18,151**	**103,905,224**	**25,083**	**119,882,438**	**80,914**	**367,987,384**	**83,092**	**373,164,090**
January 1983	3,438	11,804,611	1,415	7,780,153	2,124	9,942,734	6,977	29,527,498	7,140	29,934,766
February	2,542	9,642,272	1,085	6,068,174	1,720	7,809,465	5,347	23,519,910	5,466	23,826,676
March	2,869	11,038,054	1,070	6,114,425	1,846	8,516,446	5,785	25,668,924	5,947	26,001,334
April	2,557	9,816,840	873	5,203,033	1,558	7,183,558	4,98[illegible]	[illegible]203,430	5,110	22,491,802
May	2,644	10,392,880	938	5,491,096	1,728	7,594,098	5,3[illegible]	[illegible]8,074	5,494	23,943,516
June	2,864	10,396,443	1,035	5,840,156	1,858	7,334,994	5,75[illegible]	[illegible]1,592	5,928	23,918,708
July	3,045	10,829,793	1,084	5,675,134	1,958	8,132,677	6,087	[illegible]604	6,263	25,028,930
August	3,365	11,804,970	1,316	6,600,293	2,076	8,506,452	6,757	[illegible]714	6,981	27,490,256
September	3,193	11,701,740	1,244	6,436,488	1,975	8,395,090	6,412	[illegible]18	6,584	26,887,858
October	3,271	12,426,341	1,391	6,874,086	2,163	9,543,363	6,825	2[illegible]790	6,995	29,258,902
November	3,223	12,337,760	1,255	6,151,324	2,115	9,737,619	6,593	2[illegible],702	6,770	28,665,240
December	2,980	11,327,856	1,308	6,616,692	1,923	9,208,164	6,211	27,152,712	6,355	27,515,366
Total 1983	**35,991**	**133,519,560**	**14,014**	**74,851,054**	**23,044**	**101,904,660**	**73,049**	**310,275,268**	**75,033**	**314,963,354**
January 1984	3,584	14,455,074	1,195	6,620,301	2,299	10,919,242	7,078	31,994,617	7,243	32,419,974
February	3,395	13,447,552	1,128	6,178,456	1,806	8,838,383	6,329	28,464,391	6,487	28,899,298
March	3,391	13,536,794	1,035	6,421,547	1,786	8,899,202	6,212	28,857,543	6,389	29,292,548
April	3,225	12,146,874	860	5,338,143	1,708	8,389,517	5,793	25,874,534	5,993	26,336,419
May	3,681	14,121,889	1,168	6,678,339	1,948	9,449,245	6,797	30,249,473	6,978	30,670,793
June	3,856	14,181,664	1,307	6,951,162	2,330	10,435,686	7,493	31,568,512	7,682	32,043,372
July	3,896	14,566,318	1,248	7,027,901	2,270	10,228,853	7,414	31,823,072	7,600	32,311,990
August	3,857	14,126,213	1,390	7,456,675	2,503	11,195,100	7,750	32,777,988	7,952	33,378,981
September	3,633	13,334,037	1,233	6,527,688	2,072	9,466,166	6,938	29,327,891	7,079	29,699,372
October	3,724	14,701,072	1,348	7,278,731	2,046	9,623,994	7,118	31,603,797	7,350	32,268,256
November	3,701	13,840,332	1,402	7,092,487	2,007	9,767,767	7,110	30,700,586	7,287	31,182,740
December	3,572	13,257,777	1,313	6,859,330	2,089	10,490,937	6,974	30,608,044	7,156	31,078,619
Total 1984	**43,515**	**165,715,596**	**14,627**	**80,430,760**	**24,864**	**117,704,092**	**83,006**	**363,850,448**	**85,196**	**369,582,362**
January 1985	3,294	13,262,638	1,205	6,812,326	1,975	10,333,546	6,474	30,408,510	6,655	31,106,819
February	2,823	11,707,750	1,086	6,206,041	1,515	7,911,197	5,424	25,824,988	5,562	26,278,792
March	3,254	13,215,730	1,098	6,295,669	1,829	8,941,215	6,181	28,452,614	6,392	29,012,235
April	2,967	11,944,785	998	5,823,452	1,741	8,549,876	5,706	26,318,113	5,860	26,749,359
May	2,879	11,752,592	913	5,095,565	1,665	8,214,282	5,457	25,062,439	5,654	25,662,014
June	2,986	11,361,481	1,017	5,444,752	1,666	7,703,734	5,669	24,509,967	5,815	24,971,518
July	3,104	11,338,142	1,088	5,953,691	1,828	8,416,519	6,020	25,708,352	6,182	26,173,868
August	3,311	12,444,636	1,111	5,962,432	1,910	8,888,634	6,332	27,295,702	6,434	27,592,610
September	2,842	10,655,960	1,075	5,586,087	1,712	8,225,312	5,629	24,467,359	5,727	24,727,949
October	3,024	11,716,511	1,194	6,100,389	1,767	8,393,533	5,985	26,210,433	6,083	26,537,867
November	2,590	10,191,902	889	5,062,946	1,533	7,523,888	5,012	22,778,736	5,093	23,075,674
December	2,808	11,266,142	926	5,186,168	1,805	9,114,082	5,539	25,566,392	5,651	25,918,995
Total 1985	**35,882**	**140,858,269**	**12,600**	**69,529,518**	**20,946**	**102,215,818**	**69,428**	**312,603,605**	**71,108**	**317,807,700**

U.S. Well Completions
As Completed*

	Oil		Gas		Dry		Total excluding Serv. & Strat.+		Total including Serv. & Strat.+	
	Wells	Footage	Wells	Footage	Wells	Footage	Wells	Footage	Wells	Footage
January 1986	3,291	12,146,560	1,030	5,407,721	1,746	8,757,248	6,067	26,311,529	6,161	26,605,074
February	2,331	9,802,927	710	4,146,546	1,189	6,399,844	4,230	20,349,317	4,305	20,623,617
March	2,305	9,630,973	719	4,215,349	1,279	6,274,834	4,303	20,121,156	4,360	20,292,348
April	1,681	7,409,341	656	3,905,215	1,027	4,974,062	3,364	16,288,618	3,424	16,503,552
May	1,153	5,068,480	487	2,731,200	891	4,389,710	2,531	12,189,390	2,609	12,500,370
June	978	4,055,753	511	2,761,103	780	3,623,282	2,269	10,440,138	2,306	10,564,029
July	984	4,206,507	572	2,774,226	848	3,976,802	2,404	10,957,535	2,454	11,119,408
August	977	3,957,411	560	2,790,893	865	3,891,714	2,402	10,640,018	2,445	10,773,293
September	1,014	3,908,814	575	2,897,863	765	3,794,231	2,354	10,600,908	2,384	10,690,885
October	1,114	4,182,189	630	3,317,199	828	4,017,878	2,572	11,517,266	2,625	11,687,650
November	1,134	4,171,753	588	3,126,812	855	4,160,229	2,577	11,458,794	2,614	11,582,996
December	1,138	4,698,112	701	3,697,555	952	4,802,546	2,791	13,198,213	2,873	13,429,288
Total 1986	**18,100**	**73,238,820**	**7,739**	**41,771,682**	**12,025**	**59,062,380**	**37,864**	**174,072,882**	**38,560**	**176,372,510**
January 1987	1,244	5,150,187	660	3,514,025	855	4,494,338	2,759	13,158,550	2,817	13,288,953
February	1,080	4,529,426	578	3,131,599	687	3,362,373	2,345	11,023,398	2,389	11,164,401
March	1,017	4,458,949	578	3,094,464	724	3,656,285	2,319	11,209,698	2,356	11,325,788
April	1,051	4,581,368	487	2,733,726	800	3,724,238	2,338	11,039,332	2,367	11,133,164
May	1,170	4,869,926	457	2,574,028	774	3,939,999	2,401	11,383,953	2,481	11,681,282
June	1,157	4,686,444	494	2,732,602	819	4,072,191	2,470	11,491,237	2,525	11,645,285
July	1,298	5,008,517	555	3,210,631	917	4,293,749	2,770	12,512,897	2,853	12,736,917
August	1,434	5,529,446	630	3,202,251	945	4,726,244	3,009	13,457,941	3,075	13,659,429
September	1,379	5,821,662	600	3,097,992	975	4,865,646	2,954	13,785,300	3,004	13,966,876
October	1,432	6,014,727	751	4,093,082	1,057	5,123,611	3,240	15,231,420	3,331	15,585,454
November	1,406	5,857,577	592	3,223,065	889	4,677,036	2,887	13,757,678	2,946	13,924,267
December	1,250	5,585,558	578	3,353,548	998	4,394,481	2,826	13,333,587	2,887	14,531,274
Total 1987	**14,918**	**62,093,787**	**6,960**	**37,961,013**	**10,440**	**51,330,191**	**32,318**	**151,384,991**	**33,031**	**154,643,090**

* Subject to revision as additional wells are reported which were completed in recent years.
+ Service wells and stratigraphic and core tests.

Data from Oil & Gas Journal Energy Database.
Source: American Petroleum Institute

Exploratory Well Completions
As Completed*

	Oil Wells	Oil Footage	Gas Wells	Gas Footage	Dry Wells	Dry Footage	Total Wells	Total Footage
January 1970	83	499,671	53	409,143	637	3,921,104	773	4,829,918
February	79	526,042	43	286,868	422	2,684,362	544	3,497,272
March	47	302,797	42	321,626	410	2,417,662	499	3,042,085
April	59	396,413	44	392,532	452	2,741,229	555	3,530,174
May	61	320,936	36	292,962	489	2,688,562	586	3,302,460
June	47	294,446	30	247,005	469	2,621,280	546	3,162,731
July	64	363,766	38	299,117	521	2,809,952	623	3,472,835
August	60	408,244	41	305,091	531	2,927,457	632	3,640,792
September	74	481,227	32	213,542	526	2,823,158	632	3,517,927
October	56	334,925	36	287,577	548	2,835,228	640	3,457,730
November	56	343,246	37	241,233	538	2,938,746	631	3,523,225
December	77	457,710	46	369,324	652	3,726,299	775	4,553,333
Total 1970	**763**	**4,729,423**	**478**	**3,666,020**	**6,195**	**35,135,039**	**7,436**	**43,530,482**
January 1971	66	440,310	63	492,808	492	3,092,258	621	4,025,376
February	56	330,668	38	286,646	354	1,969,828	448	2,587,142
March	57	338,509	33	309,113	356	2,054,100	446	2,701,722
April	65	343,000	33	247,245	395	2,267,758	493	2,858,003
May	41	239,654	21	172,668	397	2,325,656	459	2,737,978
June	53	238,185	37	260,416	478	2,649,821	568	3,148,422
July	53	283,905	43	307,954	514	2,874,906	610	3,466,765
August	61	347,206	45	292,611	546	3,154,148	652	3,793,965
September	47	271,913	26	213,765	557	3,204,472	630	3,690,150
October	57	313,728	33	223,747	639	3,576,426	729	4,113,901
November	48	285,838	53	384,238	645	3,781,496	746	4,451,572
December	60	352,942	47	421,621	622	3,612,894	729	4,387,457
Total 1971	**664**	**3,785,858**	**472**	**3,612,832**	**5,995**	**34,563,763**	**7,131**	**41,982,453**
January 1972	57	326,134	52	399,490	622	3,711,957	731	4,437,581
February	64	384,841	46	363,266	425	2,691,822	535	3,439,929
March	89	540,838	47	408,186	419	2,466,305	555	3,415,329
April	51	288,451	50	385,170	446	2,643,196	547	3,316,817
May	54	300,765	46	363,416	446	2,642,179	546	3,306,360
June	43	276,801	54	392,119	527	2,967,812	624	3,636,732
July	57	328,603	56	400,228	518	3,079,220	631	3,808,051
August	47	255,348	53	374,362	546	3,076,787	646	3,70[illegible]497
September	69	425,296	57	428,501	520	2,885,753	646	3,739,550
October	56	350,763	59	474,026	596	3,427,654	711	4,252,643
November	54	295,561	76	500,362	555	3,263,100	685	4,059,023
December	49	268,723	63	383,188	582	3,508,850	694	4,160,761
Total 1972	**690**	**4,042,124**	**659**	**4,872,314**	**6,202**	**36,364,635**	**7,551**	**45,279,273**
January 1973	58	355,250	61	412,279	548	3,381,086	667	4,148,615
February	54	348,685	~~64~~	474,108	414	2,617,604	529	3,440,397
March	54	361,818	69	500,220	438	2,670,634	561	3,532,672
April	28	178,262	82	580,291	374	2,139,906	484	2,898,459
May	51	346,742	97	658,391	461	2,760,504	609	3,765,637
June	64	436,450	86	500,053	484	2,660,924	634	3,597,427
July	47	251,927	114	662,512	535	2,868,605	696	3,783,044
August	73	449,827	93	639,670	605	3,241,404	771	4,330,901
September	55	322,700	105	694,273	510	2,821,714	670	3,838,687
October	51	294,580	111	662,241	564	3,352,705	726	4,309,526
November	64	378,981	97	626,003	506	2,887,120	667	3,892,104
December	55	320,996	103	664,200	599	3,526,669	757	4,511,865
Total 1973	**654**	**4,046,218**	**1,079**	**7,074,241**	**6,038**	**34,928,875**	**7,771**	**46,049,334**

Exploratory Well Completions
As Completed*

	Oil		Gas		Dry		Total	
	Wells	Footage	Wells	Footage	Wells	Footage	Wells	Footage
January 1974	58	329,071	86	448,708	492	2,778,264	636	3,556,043
February	54	352,055	88	606,327	490	2,987,830	632	3,946,212
March	71	489,481	99	647,245	497	2,929,227	667	4,065,953
April	61	401,184	111	802,247	539	3,160,827	711	4,365,258
May	78	425,592	121	890,776	574	3,103,286	773	4,419,654
June	86	534,833	97	592,646	567	3,151,210	750	4,278,689
July	82	490,565	105	633,366	612	3,439,459	799	4,563,390
August	82	464,537	82	522,223	623	3,499,928	787	4,486,688
September	64	309,143	108	708,691	591	3,305,634	763	4,323,468
October	86	484,298	118	699,518	626	3,455,039	830	4,638,855
November	66	332,361	94	620,898	650	3,594,796	810	4,548,055
December	82	454,662	96	569,201	633	3,456,093	811	4,479,956
Total 1974	**870**	**5,087,782**	**1,205**	**7,741,846**	**6,894**	**38,861,593**	**8,969**	**51,672,221**
January 1975	84	476,907	96	663,208	630	3,620,125	810	4,760,240
February	82	503,256	81	620,765	459	2,804,682	622	3,928,703
March	94	559,648	92	680,560	581	3,539,037	767	4,779,245
April	84	527,922	98	688,611	557	3,209,777	739	4,426,310
May	86	479,277	114	780,447	548	3,256,102	748	4,515,776
June	81	452,616	104	765,916	544	3,001,913	729	4,220,445
July	83	538,226	129	788,245	636	3,558,078	848	4,884,549
August	94	538,109	133	760,821	598	3,221,200	825	4,520,130
September	70	416,535	94	590,347	618	3,200,890	782	4,207,772
October	90	489,888	114	712,774	694	3,754,144	898	4,956,806
November	70	406,480	110	814,777	642	3,554,082	822	4,775,339
December	73	433,254	96	601,732	700	4,035,333	869	5,070,319
Total 1975	**991**	**5,822,118**	**1,261**	**8,468,203**	**7,207**	**40,755,363**	**9,459**	**55,045,634**
January 1976	92	565,815	129	871,075	687	3,978,012	908	5,414,902
February	101	580,670	110	764,206	528	3,046,550	739	4,391,426
March	90	477,993	124	732,300	602	3,410,231	816	4,620,524
April	80	436,587	117	775,578	540	2,939,045	737	4,151,210
May	87	501,969	106	790,558	506	2,673,366	699	3,965,893
June	92	574,899	136	877,140	545	2,821,695	773	4,273,734
July	86	492,484	109	755,861	533	3,087,535	728	4,335,880
August	109	618,467	115	750,282	557	3,096,356	781	4,465,105
September	93	599,520	108	732,357	580	315,825	781	4,490,729
October	78	518,112	109	724,066	604	3,296,398	791	4,538,576
November	104	599,554	111	786,596	576	3,194,672	791	4,580,822
December	88	527,690	87	626,559	598	3,509,140	773	4,663,389
Total 1976	**1,100**	**6,493,760**	**1,361**	**9,187,178**	**6,856**	**35,368,825**	**9,317**	**53,892,190**
January 1977	110	630,914	82	587,441	558	3,285,778	750	4,504,133
February	97	633,189	100	626,492	487	2,860,397	684	4,020,078
March	94	632,027	137	984,711	573	3,278,615	804	4,795,353
April	100	608,176	127	828,979	539	2,968,000	766	4,405,155
May	104	586,560	117	796,119	600	3,375,681	821	4,758,360
June	110	651,665	155	1,079,139	576	3,187,445	841	4,918,249
July	78	411,381	132	799,836	609	3,208,155	819	4,419,372
August	100	633,628	151	953,665	604	3,379,156	855	4,966,449
September	93	570,231	136	827,682	692	3,567,934	921	4,965,847
October	103	625,001	138	900,436	730	4,011,744	971	5,537,181
November	109	592,736	150	974,323	698	3,805,785	957	5,372,844
December	83	495,198	132	845,401	736	4,207,776	951	5,548,375
Total 1977	**1,181**	**7,070,708**	**1,557**	**10,204,224**	**7,402**	**41,136,486**	**10,140**	**58,211,396**

Exploratory Well Completions
As Completed*

	Oil		Gas		Dry		Total	
	Wells	Footage	Wells	Footage	Wells	Footage	Wells	Footage
January 1978	81	460,953	144	1,005,373	656	3,696,353	881	5,162,679
February	94	547,028	119	882,573	547	3,313,784	760	4,743,385
March	89	553,887	146	986,336	641	3,908,651	876	5,448,874
April	109	675,110	160	1,087,779	627	3,585,470	896	5,348,359
May	119	725,642	155	985,437	640	3,708,115	914	5,419,194
June	113	662,057	152	1,071,060	660	3,702,243	925	5,435,360
July	98	597,959	144	875,662	700	4,107,589	942	5,581,210
August	96	600,403	152	943,104	683	3,922,128	931	5,465,635
September	97	554,615	143	923,858	698	4,040,009	938	5,518,482
October	103	658,130	189	1,297,631	779	4,330,030	1,071	6,285,791
November	99	564,775	132	799,576	703	4,110,150	934	5,474,501
December	91	497,898	150	922,301	721	4,191,541	962	5,611,740
Total 1978	**1,189**	**7,098,457**	**1,786**	**11,780,690**	**8,055**	**46,616,063**	**11,030**	**65,495,210**
January 1979	84	537,696	130	843,908	573	3,524,833	787	4,906,437
February	86	562,474	119	827,200	479	2,987,910	684	4,377,584
March	114	835,885	164	1,165,430	532	3,187,199	810	5,188,514
April	96	599,692	152	943,969	533	3,117,601	781	4,661,262
May	78	435,366	157	1,048,576	566	3,264,304	801	4,748,246
June	113	646,371	181	1,101,082	604	3,283,596	898	5,031,049
July	122	736,989	151	972,987	614	3,356,686	887	5,066,662
August	103	565,432	157	987,575	716	3,973,835	976	5,526,842
September	129	756,400	158	1,020,405	685	3,823,618	972	5,600,423
October	142	859,187	217	1,504,354	734	4,128,404	1,093	6,491,945
November	131	743,826	163	1,065,488	718	3,905,141	1,012	5,714,455
December	137	712,261	172	1,153,406	725	4,183,577	1,034	6,049,244
Total 1979	**1,335**	**7,991,579**	**1,921**	**12,634,380**	**7,479**	**42,736,704**	**10,735**	**63,362,663**
January 1980	142	747,733	159	1,101,579	718	4,096,912	1,019	5,946,224
February	138	902,093	169	1,183,140	608	3,357,813	915	5,443,046
March	143	760,321	155	1,028,484	619	3,642,390	917	5,431,195
April	139	780,452	172	1,230,724	630	3,563,035	941	5,574,211
May	126	733,061	127	920,068	675	3,945,382	928	5,598,511
June	140	722,266	189	1,130,944	747	4,162,526	1,076	6,015,736
July	135	818,556	185	1,169,267	770	4,192,473	1,090	6,180,296
August	162	924,871	153	949,884	842	4,567,661	1,157	6,442,416
September	167	906,952	206	1,426,319	840	4,567,307	1,213	6,900,578
October	150	893,984	212	1,301,414	838	4,510,157	1,200	6,705,555
November	150	804,102	186	1,173,879	825	4,549,355	1,161	6,527,336
December	185	1,115,158	172	1,094,736	896	4,837,428	1,253	7,047,322
Total 1980	**1,777**	**10,109,549**	**2,085**	**13,710,438**	**9,008**	**49,992,439**	**12,870**	**73,812,426**
January 1981	220	1,199,057	204	1,466,051	1,005	5,549,007	1,429	8,214,155
February	175	1,018,859	183	1,225,822	799	4,463,730	1,157	6,708,411
March	209	1,222,837	192	1,307,170	898	5,315,609	1,299	7,845,616
April	183	1,113,396	214	1,464,146	908	5,034,598	1,305	7,612,140
May	231	1,292,095	224	1,499,791	934	5,451,658	1,389	8,243,544
June	219	1,306,236	208	1,345,173	1,006	5,616,080	1,433	8,267,489
July	245	1,494,502	205	1,372,320	1,053	5,619,529	1,503	8,486,351
August	235	1,403,437	239	1,652,571	1,127	6,213,002	1,601	9,269,010
September	225	1,259,232	241	1,631,294	1,090	6,103,472	1,556	8,993,998
October	239	1,373,425	211	1,355,977	1,161	6,412,575	1,611	9,141,977
November	225	1,270,686	189	1,189,814	1,101	6,148,986	1,515	8,609,486
December	255	1,464,298	212	1,486,325	1,165	6,725,744	1,632	9,676,367
Total 1981	**2,661**	**15,418,060**	**2,522**	**16,996,454**	**12,247**	**68,653,990**	**17,430**	**101,068,544**

Exploratory Well Completions
As Completed*

	Oil		Gas		Dry		Total	
	Wells	Footage	Wells	Footage	Wells	Footage	Wells	Footage
January 1982	246	1,424,258	216	1,496,925	1,157	6,786,020	1,619	9,707,203
February	186	1,113,532	172	1,239,172	927	5,728,305	1,285	8,081,009
March	266	1,570,613	218	1,562,049	975	5,843,210	1,459	8,975,872
April	229	1,336,078	167	1,162,142	928	4,996,971	1,324	7,495,191
May	182	1,014,619	175	1,288,725	859	4,607,791	1,216	6,911,135
June	216	1,217,133	182	1,261,992	871	4,466,006	1,269	6,945,131
July	179	908,030	186	1,244,549	898	4,625,584	1,263	6,778,163
August	201	1,065,884	172	1,092,585	911	4,669,265	1,284	6,827,734
September	183	926,264	156	1,068,231	865	4,565,248	1,204	6,559,743
October	205	978,259	153	1,096,154	916	4,679,062	1,274	6,753,475
November	176	882,212	153	1,029,493	816	3,925,089	1,145	5,836,794
December	180	918,428	157	954,726	924	4,836,510	1,261	6,709,664
Total 1982	**2,449**	**13,355,310**	**2,107**	**14,496,743**	**11,047**	**59,729,061**	**15,803**	**87,581,114**
January 1983	194	924,914	159	1,051,460	942	4,895,279	1,295	6,871,653
February	169	906,631	146	988,959	702	3,711,093	1,017	5,606,683
March	174	933,550	148	890,628	771	4,076,626	1,093	5,900,804
April	177	870,476	133	868,733	640	3,336,040	950	5,075,249
May	159	925,095	150	984,934	772	3,793,506	1,081	5,703,535
June	165	797,001	130	841,296	828	3,539,990	1,123	5,178,287
July	179	821,521	130	725,264	828	3,667,873	1,137	5,214,658
August	183	785,072	135	780,256	874	3,834,733	1,192	5,400,061
September	174	860,222	131	774,003	886	4,023,214	1,191	5,657,439
October	203	1,066,423	137	818,381	917	4,437,286	1,257	6,322,090
November	170	836,899	111	686,553	924	4,467,397	1,205	5,990,849
December	153	758,956	125	758,539	816	4,248,493	1,094	5,765,988
Total 1983	**2,100**	**10,488,780**	**1,635**	**10,169,008**	**9,900**	**48,031,530**	**13,635**	**68,687,296**
January 1984	236	1,193,956	132	787,686	1,011	5,316,992	1,379	7,298,634
February	206	1,163,415	150	889,126	812	4,442,097	1,168	6,494,638
March	217	1,209,627	153	1,035,629	743	4,181,409	1,113	6,426,665
April	156	918,420	99	678,757	755	4,062,923	1,010	5,660,100
May	215	1,169,523	134	841,878	845	4,622,042	1,194	6,633,443
June	201	1,137,164	135	786,190	1,078	5,330,407	1,414	7,253,761
July	191	992,533	153	1,011,495	1,062	5,235,591	1,406	7,239,619
August	187	998,761	124	806,449	1,075	5,537,338	1,386	7,342,548
September	216	1,170,730	129	871,775	908	4,606,902	1,253	6,649,407
October	159	825,650	140	898,937	961	4,859,978	1,260	6,584,565
November	179	988,586	111	666,224	865	4,753,817	1,155	6,408,627
December	157	801,052	105	584,011	949	5,434,722	1,211	6,819,785
Total 1984	**2,320**	**12,569,417**	**1,565**	**9,858,157**	**11,064**	**58,384,218**	**14,949**	**80,811,792**
January 1985	168	1,037,764	146	1,003,940	873	5,087,819	1,187	7,129,523
February	161	1,016,343	120	842,658	691	4,098,819	972	5,957,820
March	175	1,067,616	111	720,714	745	4,145,376	1,031	5,933,706
April	127	710,850	116	805,196	721	4,029,487	964	5,545,533
May	152	898,719	124	782,877	685	3,808,831	961	5,490,427
June	126	666,047	118	843,469	700	3,457,717	944	4,967,233
July	131	757,111	94	593,460	765	3,904,517	990	5,255,088
August	165	985,120	100	665,218	806	4,159,253	1,071	5,809,591
September	114	623,773	78	536,339	743	3,953,482	935	5,113,594
October	142	797,510	86	513,320	779	4,043,650	1,007	5,354,480
November	107	620,505	89	676,036	683	3,716,586	879	5,013,127
December	146	862,999	87	601,883	852	4,764,614	1,085	6,229,496
Total 1985	**1,714**	**10,044,357**	**1,269**	**8,585,110**	**9,043**	**49,170,151**	**12,026**	**57,799,818**

Exploratory Well Completions
As Completed*

	Oil		Gas		Dry		Total	
	Wells	Footage	Wells	Footage	Wells	Footage	Wells	Footage
January 1986	184	1,074,085	108	644,200	749	4,316,596	1,041	6,034,881
February	116	744,087	73	530,204	506	3,199,896	695	4,474,187
March	111	751,183	66	535,135	548	3,130,904	725	4,417,222
April	94	654,605	64	515,008	451	2,500,480	609	3,670,093
May	72	417,634	44	368,414	424	2,337,524	540	3,123,572
June	54	303,925	51	336,310	318	1,726,692	423	2,366,927
July	72	403,233	61	361,096	363	1,847,982	496	2,612,311
August	48	253,581	59	360,941	375	1,948,224	482	2,562,746
September	45	197,489	65	381,685	325	1,790,258	435	2,369,432
October	50	308,927	44	313,083	368	1,971,683	462	2,593,693
November	57	313,038	58	384,186	415	2,125,502	530	2,822,726
December	79	498,572	43	292,771	484	2,686,337	606	3,477,680
Total 1986	**982**	**5,920,359**	**736**	**5,023,033**	**5,328**	**29,582,078**	**7,044**	**40,525,470**
January 1987	86	488,650	67	483,627	434	2,542,311	587	3,514,588
February	57	354,831	54	385,778	325	1,660,774	436	2,401,383
March	59	418,286	51	344,465	357	1,857,665	467	2,620,416
April	61	383,352	46	251,877	354	1,757,693	461	2,392,922
May	67	376,620	52	375,741	365	1,978,779	484	2,731,140
June	69	426,169	49	399,407	363	1,946,079	481	2,771,655
July	78	420,488	51	343,951	402	2,108,329	531	2,872,768
August	75	433,801	68	421,267	435	2,327,752	578	3,182,820
September	83	518,036	51	311,323	470	2,503,580	604	3,332,939
October	73	401,416	68	437,596	504	2,636,192	645	3,475,204
November	89	548,024	54	307,305	446	2,557,292	589	3,412,621
December	72	406,492	49	334,713	490	2,808,678	611	3,549,883
Total 1987	**869**	**5,176,165**	**660**	**4,397,050**	**4,945**	**26,685,124**	**6,474**	**36,258,339**

* Subject to change as additional wells are reported which were completed in recent years.

Data from Oil & Gas Journal Energy Database.
Source: American Petroleum Institute

Well Completions by Depth Interval
As Completed*

	1980	1981	1982	1983	1984	1985	1986	1987
0- 1,249 ft.	7,135	9,454	11,996	11,976	12,316	9,945	5,084	3,616
1,250- 2,499 ft.	10,876	13,301	14,458	13,626	14,449	12,278	6,776	4,922
2,500- 3,749 ft.	11,639	15,419	15,544	13,266	14,832	11,659	6,044	5,070
3,750- 4,999 ft.	9,264	12,927	13,192	11,379	13,503	11,315	5,872	5,108
5,000- 7,499 ft.	10,182	13,092	12,658	11,226	12,998	11,761	6,586	6,059
7,500- 9,999 ft.	6,773	8,444	7,799	6,576	8,074	7,116	3,989	3,475
10,000-12,499 ft.	2,997	3,526	3,715	3,007	3,748	3,408	1,944	1,611
12,500-14,999 ft.	1,323	1,504	1,871	1,220	1,379	1,278	828	627
15,000-17,499 ft.	497	603	806	505	520	480	281	208
17,500-19,999 ft.	150	201	341	187	141	145	92	70
20,000 ft. and over	65	91	137	69	46	43	30	3
Total U.S.	**60,901**	**78,562**	**82,517**	**73,037**	**82,006**	**69,428**	**37,526**	**30,769**

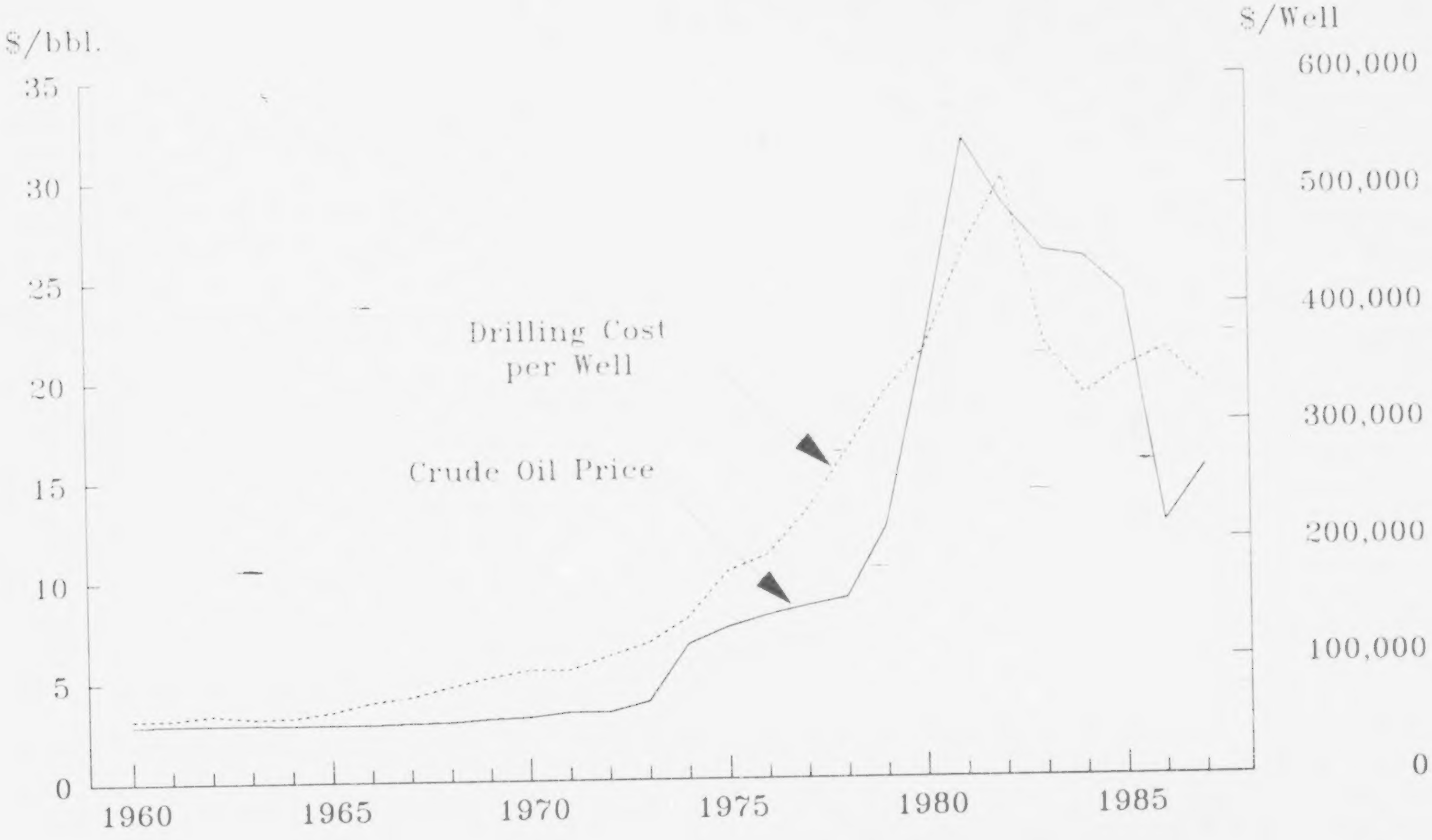
Footage Drilled by Depth Interval
As Completed*
Thousands of feet

	1980	1981	1982	1983	1984	1985	1986	1987
0- 1,249 ft.	5,931.8	7,711.6	9,592.0	9,526.2	10,289.3	8,349.7	4,089.8	3,007.7
1,250- 2,499 ft.	20,369.5	24,767.0	26,290.3	24,481.7	25,348.2	21,663.1	11,927.4	8,770.5
2,500- 3,749 ft.	36,444.8	48,563.3	48,968.6	41,895.2	47,029.8	36,797.5	18,903.1	15,793.7
3,750- 4,999 ft.	39,905.6	55,696.3	56,653.5	48,964.4	58,013.4	48,784.3	25,273.9	22,066.1
5,000- 7,499 ft.	61,427.1	78,492.4	75,991.7	67,187.1	83,406.0	70,836.5	39,648.3	36,786.7
7,500- 9,999 ft.	58,038.7	72,194.0	66,965.6	42,209.0	68,807.5	60,817.5	34,239.5	29,775.2
10,000-12,499 ft.	32,877.3	38,599.3	40,471.8	32,718.9	41,016.1	37,133.6	21,168.4	17,430.0
12,500-14,999 ft.	17,765.4	20,046.6	25,047.1	16,263.3	18,243.3	16,992.9	10,982.8	8,299.3
15,000-17,499 ft.	7,887.9	9,624.1	13,014.6	8,075.7	8,168.9	7,615.4	4,458.1	3,272.6
17,500-19,999 ft.	2,774.0	3,667.9	6,287.4	3,430.8	2,564.0	2,677.6	1,662.1	1,279.0
20,000 ft. and over	1,384.3	2,116.4	3,012.0	1,520.4	964.0	935.4	651.9	65.5
Total U.S.	**284,806.4**	**361,478.8**	**372,294.6**	**296,272.5**	**363,850.4**	**312,603.6**	**173,005.3**	**146,546.2**

* Data for 1980-1981 are on an as reported basis. Data from 1982-1986 are on an as completed basis and are subject to revision as additional wells are reported.

Data from Oil & Gas Journal Energy Database.
Source: American Petroleum Institute

Wellhead Price of Crude and Drilling Costs



Source: BOM, API, EIA, JAS

Joint Association Survey on Drilling Costs
Total U.S. Wells

	Number of Wells Surveyed	Total Footage Mil. ft.	Total Cost Mil. $	Average Depth per Well	Average Cost per Well
1959	49,563	205.5	2,651.1	4,146	53,500
1960	44,133	186.4	2,424.4	4,223	54,934
1961	43,988	186.7	2,398.2	4,244	54,518
1962	43,944	193.6	2,576.7	4,405	58,635
1963	41,853	181.5	2,302.9	4,336	55,023
1964	43,486	188.7	2,427.4	4,340	55,820
1965	39,596	178.7	2,407.4	4,513	60,648
1966	34,521	157.9	2,360.7	4,575	68,386
1967	31,538	144.0	2,299.2	4,566	72,902
1968	29,576	143.1	2,409.4	4,839	81,463
1969	29,481	148.7	2,610.7	5,044	88,554
1970	27,177	136.9	2,578.7	5,037	94,885
1971	25,040	124.6	2,371.5	4,978	94,708
1972	26,443	135.5	2,814.2	5,126	106,424
1973	26,244	136.7	3,074.5	5,207	117,152
1974	31,481	150.9	4,367.0	4,795	138,718
1975	36,960	177.6	6,571.2	4,806	177,793
1976	38,941	184.4	7,461.7	4,736	191,615
1977	43,826	212.7	9,956.5	4,853	229,181
1978	46,655	230.6	13,061.1	4,943	279,950
1979	48,523	237.5	16,078.9	4,894	331,367
1980	62,011	296.0	22,800.4	4,773	367,682
1981	80,816	388.8	36,665.5	4,811	453,691
1982	76,652	362.6	39,428.1	4,731	514,378
1983	67,536	301.2	25,104.5	4,460	371,721
1984	77,210	350.6	25,206.2	4,541	326,463
1985	67,821	314.5	23,696.6	4,637	349,399
1986	37,173	176.3	13,552.4	4,742	364,577

Joint Association Survey on Drilling Costs
Total U.S. Oil Wells

	Number of Wells Surveyed	Total Footage Mil. ft.	Total Cost Mil. $	Average Depth per Well	Average Cost per Well
1959	25,413	96.9	1,321.4	3,814	51,998
1960	21,294	84.0	1,110.9	3,946	52,160
1961	21,204	82.9	1,086.8	3,911	51,253
1962	21,402	86.5	1,160.5	4,041	54,223
1963	20,678	81.1	1,071.1	3,922	51,801
1964	21,012	81.0	1,063.0	3,854	50,590
1965	18,857	76.6	1,066.8	4,059	56,573
1966	15,856	65.6	985.8	4,134	62,169
1967	14,935	59.9	995.4	4,013	66,647
1968	13,767	58.5	1,089.3	4,246	79,126
1969	12,915	57.9	1,117.1	4,486	86,499
1970	12,547	56.4	1,088.1	4,496	86,718
1971	11,405	48.6	894.5	4,260	78,431
1972	10,753	48.4	1,005.5	4,501	93,506
1973	9,705	44.7	1,007.0	4,602	103,758
1974	13,073	51.8	1,440.3	3,960	110,176
1975	16,276	66.1	2,256.5	4,059	138,640
1976	16,876	68.3	2,549.7	4,044	151,064
1977	18,077	74.7	3,072.8	4,130	169,981
1978	17,790	74.4	3,700.0	4,182	207,983
1979	19,243	80.3	4,678.6	4,170	243,130
1980	28,553	117.1	7,768.4	4,099	272,070
1981	38,725	162.0	13,022.8	4,183	336,289
1982	35,865	144.3	12,458.6	4,024	347,374
1983	33,485	130.8	9,503.8	3,907	283,821
1984	38,976	154.0	10,214.2	3,952	262,065
1985	33,800	136.9	9,141.1	4,050	270,446
1986	18,198	75.8	5,184.1	4,168	284,872

Joint Association Survey on Drilling Costs
Total U.S. Gas Wells

	Number of Wells Surveyed	Total Footage Mil. ft.	Total Cost Mil. $	Average Depth per Well	Average Cost per Well
1959	5,049	27.6	508.9	5,464	100,791
1960	5,262	29.1	540.2	5,526	102,656
1961	5,674	30.4	537.4	5,366	94,719
1962	5,858	31.4	568.8	5,366	97,093
1963	4,779	25.7	441.4	5,373	92,368
1964	4,874	27.5	510.6	5,641	104,753
1965	4,772	26.5	486.1	5,552	101,865
1966	4,060	25.0	543.3	6,151	133,806
1967	3,558	21.8	501.7	6,116	140,995
1968	3,324	20.5	493.7	6,177	148,537
1969	3,927	23.7	606.0	6,034	154,318
1970	3,844	23.1	617.6	6,007	160,662
1971	3,679	22.1	612.9	6,013	166,582
1972	5,086	28.9	802.4	5,679	157,764
1973	6,427	36.3	997.9	5,654	155,272
1974	6,695	37.1	1,266.5	5,546	189,177
1975	7,654	43.4	2,005.4	5,667	262,008
1976	8,904	48.4	2,401.4	5,432	270,375
1977	11,479	62.5	3,599.1	5,446	313,538
1978	13,306	72.8	4,978.8	5,472	374,178
1979	14,079	77.3	6,238.1	5,493	443,080
1980	15,225	85.8	8,166.7	5,636	536,402
1981	17,533	100.3	12,248.1	5,718	698,576
1982	17,052	100.8	14,737.7	5,912	864,278
1983	12,919	72.5	7,855.8	5,611	608,078
1984	14,983	82.6	7,338.8	5,516	489,808
1985	13,854	75.7	7,047.1	5,465	508,672
1986	7,351	41.3	3,843.9	5,622	522,906

Joint Association Survey on Drilling Costs
Total U.S. Dry Holes

	Number of Wells Surveyed	Total Footage Mil. ft.	Total Cost Mil. $	Average Depth per Well	Average Cost per Well
1959	19,101	81.0	820.8	4,240	42,970
1960	17,577	73.3	773.5	4,168	44,009
1961	17,110	73.3	774.0	4,284	45,235
1962	16,684	75.6	847.4	4,533	50,793
1963	16,396	74.7	790.3	4,556	48,201
1964	17,600	80.3	853.8	4,560	48,512
1965	15,967	75.7	848.5	4,739	53,143
1966	14,605	67.4	831.7	4,614	56,949
1967	13,045	62.3	802.2	4,777	61,491
1968	12,485	64.1	826.3	5,137	66,183
1969	12,639	67.1	887.5	5,307	70,222
1970	10,786	57.4	873.0	5,320	80,942
1971	9,956	53.9	864.1	5,418	86,795
1972	10,604	58.3	1,006.3	5,493	94,899
1973	10,112	55.7	1,069.6	5,504	105,778
1974	11,713	62.1	1,660.1	5,297	141,733
1975	13,030	68.2	2,309.3	5,234	177,229
1976	13,159	67.8	2,504.6	5,152	190,334
1977	14,270	75.5	3,284.6	5,292	230,175
1978	15,559	83.4	4,382.2	5,359	281,653
1979	15,201	79.9	5,162.2	5,256	339,598
1980	18,233	93.1	6,865.2	5,108	376,525
1981	24,558	126.6	11,394.5	5,154	463,934
1982	23,735	117.5	12,231.9	4,951	515,352
1983	21,132	97.9	7,745.0	4,633	366,507
1984	23,251	113.9	7,653.2	4,900	329,155
1985	20,167	101.9	7,508.4	5,053	372,311
1986	11,624	59.1	4,524.4	5,086	389,232

Data from Oil & Gas Journal Energy Database.
Source: Joint Association Survey, sponsored by American Petroleum Institute, Independent Petroleum Association of America and Mid-Continent Oil & Gas Association

Average Drilling Cost per Well
Dollars per well

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Alabama	276,174	167,703	253,678	250,326	535,758	515,126	588,930	664,152	449,220	539,312
Alaska	1,762,657	1,396,305	1,777,382	1,349,732	2,301,697	2,708,388	3,004,901	3,603,075	4,153,581	3,800,383
Land	1,647,560	1,412,615	1,841,463	1,434,952	2,522,856	2,802,491	3,180,941	3,979,284	4,352,785	3,807,053
Offshore	2,141,670	858,080	1,424,935	1,094,070	1,638,222	2,196,053	2,046,456	2,192,292	2,393,948	3,622,508
Arkansas	62,375	70,353	75,504	91,895	113,666	127,063	123,388	133,005	180,993	190,973
California	73,100	66,545	83,979	91,785	88,965	106,906	139,341	163,540	231,816	256,185
Central Coastal	100,820	106,217	153,404	154,526	179,448	186,010	203,638	188,642	253,702	301,690
East Central	28,293	27,475	38,206	45,659	56,360	74,352	98,126	100,022	167,161	175,671
North	87,355	98,070	120,214	150,633	118,760	147,452	178,445	189,920	222,801	324,383
South	112,292	113,280	126,018	165,826	198,176	131,904	172,931	262,694	350,661	439,058
Offshore	366,784	536,761	287,607	210,520	270,658	384,348	1,646,355	1,556,611	1,358,814	1,418,603
Colorado	52,518	53,281	62,853	77,215	100,737	132,283	131,019	157,133	166,364	205,750
Florida	NA	431,699	521,578	427,353	493,967	619,626	671,660	792,970	1,234,769	1,222,134
Illinois	18,597	17,104	19,494	24,116	40,884	40,236	41,823	52,486	47,002	63,598
Indiana	9,130	9,841	11,432	14,835	20,859	26,507	28,174	36,570	36,770	40,094
Kansas	22,331	21,803	25,498	28,049	37,263	51,374	52,682	58,837	69,354	74,241
Kentucky	13,927	16,672	16,401	26,299	26,525	30,190	31,980	34,637	45,695	40,038
Louisiana	282,715	284,050	318,111	338,880	357,999	488,688	490,823	654,017	821,298	943,827
North	32,099	37,696	40,594	59,134	72,228	95,122	96,384	114,677	131,203	136,756
South	263,695	274,698	317,382	328,004	418,014	502,961	593,510	748,344	1,067,322	1,295,388
Offshore	554,707	594,524	649,632	663,620	834,163	1,086,833	1,269,059	1,569,822	2,109,712	2,377,951
Michigan	47,117	61,053	90,659	129,516	162,877	184,550	170,320	194,383	231,963	245,940
Mississippi	142,089	210,285	207,011	196,112	226,310	268,774	277,180	414,491	547,795	532,683
Montana	56,478	44,929	38,768	37,517	56,985	70,972	108,650	128,764	171,190	208,834
Nebraska	22,176	22,981	24,051	30,658	39,833	46,420	50,254	67,686	64,974	85,569
New Mexico	96,407	88,835	100,424	119,456	170,895	233,860	197,062	229,954	282,041	320,534
East	116,090	102,985	126,008	165,067	216,620	295,676	240,163	292,137	356,223	436,359
West	51,880	61,578	57,170	69,283	90,459	139,735	134,093	158,648	200,297	207,878
North Dakota	79,158	78,899	99,259	129,235	154,468	196,353	270,368	359,740	503,209	701,035
Oklahoma	75,865	79,303	93,601	103,987	134,854	176,957	187,290	210,983	258,837	304,022
Texas	85,113	85,378	87,280	108,272	142,793	172,761	209,230	234,715	288,383	325,590
RRC District 1	40,639	39,544	45,733	50,524	72,366	95,943	164,017	197,599	170,632	130,767
RRC District 2	86,670	78,433	89,072	91,122	121,896	168,222	183,079	217,279	254,103	336,339
RRC District 3	83,850	91,942	99,488	135,626	203,639	261,052	285,412	371,834	437,497	525,354
RRC District 4	104,465	93,278	111,503	122,550	178,919	234,757	303,349	353,692	426,389	521,589
RRC District 5	101,319	113,666	118,461	153,908	147,453	201,139	282,520	420,372	491,707	643,433
RRC District 6	69,912	71,298	82,743	131,826	194,356	199,015	268,208	377,138	535,122	673,418
RRC District 7B	21,440	24,371	21,430	27,733	42,567	55,271	63,229	66,827	79,063	96,375
RRC District 7C	70,617	63,523	74,049	84,608	110,808	159,176	150,430	160,218	189,852	201,041
RRC District 8	155,507	179,351	153,438	183,205	221,678	219,219	242,643	294,609	326,674	326,091
RRC District 8A	65,004	72,036	74,350	79,028	102,769	144,066	160,562	186,469	222,080	216,843
RRC District 9	23,521	20,784	19,690	34,171	42,722	43,034	52,525	60,911	86,909	96,789
RRC District 10	172,959	199,441	169,620	174,689	199,232	291,938	279,236	384,036	413,465	481,026
Offshore	642,380	595,327	646,903	715,532	955,343	1,415,376	1,616,542	1,691,564	2,106,650	2,763,576
Utah	215,090	294,062	513,218	538,835	501,915	696,963	574,552	444,536	560,753	752,944
Wyoming	97,775	93,484	103,527	126,663	218,389	293,217	305,942	374,996	485,849	734,092
*Appalachia	38,392	37,540	41,733	46,510	54,926	65,482	70,113	76,875	91,839	104,355
Gulf of Mexico-North	NA	NA	NA	NA	944,186	2,063,593	3,253,523	2,451,938	2,443,609	4,286,167
Offshore Fed. Waters	NA	NA	NA	NA	NA	NA	NA	NA	4,487,172	5,572,133
Total U.S.	**94,885**	**94,708**	**106,424**	**117,152**	**138,718**	**177,793**	**191,615**	**229,181**	**279,950**	**331,367**

Average Drilling Cost per Well
Dollars per well

	1980	1981	1982	1983	1984	1985	1986
Alabama	639,897	730,667	941,049	723,911	480,986	470,911	610,798
Alaska	3,851,403	4,312,574	4,232,782	3,576,143	2,835,914	2,427,333	2,541,682
Land	3,862,089	4,312,574	4,141,942	3,247,861	2,752,538	2,350,075	2,437,424
Offshore	2,333,887	NA	9,985,987	18,348,842	5,003,694	4,689,882	4,498,524
Arkansas	265,114	266,891	336,096	253,238	228,326	241,423	180,626
California	310,933	365,183	522,535	469,257	318,396	274,566	213,573
Central Coastal	410,177	482,036	823,770	588,276	733,452	673,926	599,174
East Central	207,127	217,561	295,333	218,800	176,322	148,169	135,876
North	385,222	470,078	543,204	478,407	521,698	465,383	428,480
South	477,253	542,982	657,445	543,502	762,972	443,030	362,072
Offshore	1,306,270	1,902,653	2,516,362	4,290,788	2,217,539	2,416,495	1,709,680
Colorado	247,715	360,001	382,971	301,335	317,911	331,554	279,931
Florida	1,449,830	2,240,424	2,021,155	2,653,856	1,555,188	13,831	1,806,031
Illinois	68,338	93,257	83,741	75,318	82,902	81,531	63,948
Indiana	42,467	59,807	56,921	44,017	49,093	66,350	41,423
Kansas	88,399	110,584	101,870	85,431	97,338	100,047	77,702
Kentucky	43,264	54,750	51,013	43,047	43,407	38,602	57,051
Louisiana	1,041,498	1,269,385	1,413,348	1,023,079	756,862	837,355	1,071,765
North	174,886	204,345	194,277	155,235	111,253	118,234	104,470
South	1,748,634	2,071,952	2,498,035	1,478,193	1,140,258	1,257,908	1,326,766
Offshore	3,040,376	3,786,282	4,084,572	3,200,590	3,011,285	3,243,563	3,115,359
Michigan	243,538	312,350	331,984	253,878	248,387	278,680	329,318
Mississippi	769,053	887,979	1,018,762	668,499	492,710	578,368	619,192
Montana	301,307	516,964	471,394	349,276	333,849	272,964	251,812
Nebraska	109,156	137,186	141,941	130,144	123,279	101,272	157,276
New Mexico	398,691	519,337	585,928	464,058	410,716	432,371	384,074
East	487,628	659,810	672,675	509,772	436,334	455,518	408,018
West	308,074	361,429	400,042	378,832	358,082	398,025	338,327
North Dakota	891,304	1,124,919	1,254,430	765,232	616,805	585,944	588,708
Oklahoma	326,745	450,544	732,995	447,794	311,341	349,162	306,119
Texas	376,527	477,782	494,907	347,074	334,521	343,163	327,090
RRC District 1	192,680	265,648	198,224	129,921	117,034	117,008	88,111
RRC District 2	460,968	607,558	852,947	502,087	484,103	594,588	450,732
RRC District 3	647,407	896,434	933,186	609,423	637,512	610,344	589,418
RRC District 4	633,246	916,990	1,105,490	800,707	755,958	717,566	676,411
RRC District 5	600,871	750,390	505,546	454,282	532,989	519,434	392,719
RRC District 6	665,885	799,209	905,045	604,243	550,411	529,093	372,885
RRC District 7B	111,241	140,956	125,177	104,360	96,745	98,865	84,749
RRC District 7C	260,010	339,680	337,408	261,433	257,103	286,745	238,594
RRC District 8	391,623	548,249	603,246	411,360	381,674	395,262	434,153
RRC District 8A	262,129	375,904	358,868	303,979	278,308	283,081	283,917
RRC District 9	118,617	151,448	146,860	110,274	127,603	121,831	100,349
RRC District 10	435,519	506,768	596,513	400,273	361,749	337,657	368,817
Offshore	3,186,593	4,035,114	4,850,671	4,631,861	4,499,762	4,329,026	4,909,699
Utah	941,639	1,255,703	1,332,812	1,292,251	909,564	1,041,085	730,806
Wyoming	817,654	923,963	1,132,357	732,314	610,805	561,053	551,747
Appalachia	111,933	126,349	137,136	127,354	122,416	122,321	120,503
Gulf of Mexico-North	4,652,956	7,192,749	4,656,821	6,434,078	7,630,138	7,422,579	7,821,666
Offshore Fed. Waters	6,126,057	7,893,016	6,375,853	8,144,142	8,824,998	8,989,247	7,716,752
Total U.S.	**367,882**	**453,891**	**514,378**	**371,721**	**328,463**	**349,399**	**364,577**

* Appalachia includes New York, Ohio, Pennsylvania, and West Virginia.

Data from Oil & Gas Journal Energy Database.
Source: Joint Association Survey

Average Drilling Cost per Foot
Dollars per foot

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Alabama	25.64	21.67	23.82	23.43	52.92	53.02	60.78	78.48	64.59	81.64
Alaska	163.15	131.88	186.60	135.28	228.43	257.11	272.95	342.37	395.50	345.77
Land	156.05	131.31	193.84	143.09	266.41	273.84	291.96	380.07	422.93	346.92
Offshore	184.36	173.00	147.48	111.34	137.76	180.51	176.04	204.35	193.79	316.02
Arkansas	11.72	12.25	13.34	15.99	20.89	25.03	26.00	26.84	36.18	38.52
California	23.83	23.24	24.50	26.05	32.61	39.38	50.71	60.57	70.94	83.26
Central Coastal	21.84	24.59	32.20	31.39	42.79	47.77	53.63	55.56	69.05	84.55
East Central	14.32	14.83	17.31	20.20	29.66	37.88	45.87	47.43	62.49	72.80
North	13.45	15.54	18.96	23.96	19.71	24.51	29.17	32.28	38.65	50.76
South	28.17	27.36	31.32	36.14	46.37	40.57	55.87	68.52	83.89	99.51
Offshore	83.06	88.59	53.57	39.64	55.47	81.92	257.65	290.68	206.82	210.85
Colorado	9.14	8.74	10.96	12.95	16.83	22.83	24.91	29.69	33.07	40.45
Florida	NA	32.11	35.39	32.22	42.66	48.90	54.96	63.61	95.36	97.40
Illinois	7.88	7.70	8.37	9.52	15.70	15.99	16.96	18.12	16.75	23.75
Indiana	6.80	6.91	8.10	9.78	13.77	14.78	16.40	17.12	18.37	21.28
Kansas	7.01	6.96	7.73	8.59	12.20	16.04	16.63	17.87	20.59	22.11
Kentucky	9.32	10.69	10.14	15.51	16.77	19.62	22.01	24.74	31.00	28.24
Louisiana	33.94	34.89	39.20	41.34	49.53	65.13	71.15	90.26	112.17	133.80
North	9.40	22.37	11.23	15.18	18.70	24.93	27.68	30.60	36.21	39.08
South	26.09	26.88	30.10	31.45	42.47	51.45	57.71	70.68	95.62	118.27
Offshore	53.68	56.74	63.00	68.51	87.25	109.42	129.69	160.84	204.59	234.44
Michigan	12.13	15.08	18.82	24.33	31.61	37.26	35.36	39.94	47.96	51.89
Mississippi	15.41	22.80	22.23	21.09	27.10	33.20	33.91	48.34	59.65	60.79
Montana	12.44	12.05	12.33	13.21	19.52	23.77	29.68	34.04	44.28	52.29
Nebraska	4.41	4.75	5.06	5.98	7.65	9.24	10.13	13.58	13.23	19.93
New Mexico	16.78	16.09	17.33	21.02	29.29	38.60	36.93	41.14	49.94	55.42
East	17.56	17.03	18.68	23.72	32.60	41.36	38.77	45.33	56.07	64.10
West	13.70	13.66	13.64	16.20	20.53	31.77	32.87	34.41	41.12	43.42
North Dakota	12.43	12.33	15.44	17.64	21.60	29.31	37.60	45.84	59.23	78.49
Oklahoma	14.15	14.80	16.71	18.38	25.29	33.75	35.17	40.53	49.75	59.72
Texas	16.00	15.99	16.60	19.41	27.05	33.49	38.85	43.45	51.95	60.12
RRC District 1	10.29	9.76	13.34	13.18	20.16	26.59	33.38	37.89	39.09	39.72
RRC District 2	13.27	12.07	13.81	15.41	20.47	27.42	30.17	35.65	41.45	54.26
RRC District 3	14.01	15.02	15.47	19.77	32.24	39.78	41.29	52.64	59.82	70.28
RRC District 4	16.50	14.67	16.85	18.77	27.80	37.71	45.43	51.58	60.85	72.95
RRC District 5	15.24	17.26	16.89	21.20	25.16	34.02	49.46	60.53	73.36	90.22
RRC District 6	13.06	14.50	14.43	19.41	27.99	31.79	38.14	50.82	65.97	81.22
RRC District 7B	7.50	7.95	7.60	8.79	13.07	16.68	18.56	20.85	23.46	30.02
RRC District 7C	13.02	12.42	12.98	14.25	18.97	26.24	25.94	28.14	33.10	35.30
RRC District 8	23.04	24.00	23.28	27.03	35.00	37.86	40.80	49.25	55.17	57.29
RRC District 8A	11.45	12.21	12.36	14.08	18.65	24.96	26.54	30.33	36.25	36.73
RRC District 9	7.61	7.28	7.34	10.36	13.85	16.28	18.21	19.52	24.59	27.63
RRC District 10	24.33	28.17	24.85	25.84	30.57	40.28	40.98	51.78	56.15	67.73
Offshore	67.59	57.20	65.13	81.18	117.75	158.82	176.19	183.77	230.16	295.66
Utah	32.42	42.18	56.92	60.69	59.67	84.38	81.29	71.46	87.47	124.10
Wyoming	13.93	14.68	15.08	18.83	31.66	40.86	42.70	50.42	70.95	95.52
Appalachia *	11.82	12.15	12.66	13.67	17.42	20.64	21.91	23.30	27.37	31.37
Gulf of Mexico-North	NA	NA	NA	NA	114.11	191.53	339.44	228.38	262.78	460.93
Offshore Fed. Waters	NA	NA	NA	NA	NA	NA	NA	NA	432.50	516.37
Total U.S.	**18.84**	**19.03**	**20.78**	**22.50**	**28.93**	**36.99**	**40.46**	**47.22**	**58.64**	**67.71**

Average Drilling Cost per Foot
Dollars per foot

	1980	1981	1982	1983	1984	1985	1986
Alabama	100.87	125.80	150.66	127.65	94.76	89.05	109.29
Alaska	369.51	419.63	422.90	364.21	325.18	273.19	262.71
Land	370.86	419.63	414.40	332.81	317.81	267.75	253.00
Offshore	198.58	NA	913.71	1461.71	486.60	388.65	430.89
Arkansas	50.37	54.76	68.06	54.02	47.43	58.60	44.86
California	97.11	123.71	148.91	149.21	122.22	109.08	87.93
Central Coastal	104.96	124.82	163.67	110.43	167.72	156.29	130.03
East Central	86.70	98.94	111.36	96.81	90.56	81.41	72.47
North	58.70	72.58	83.79	69.85	78.52	68.65	66.01
South	117.46	149.42	147.38	137.94	172.35	117.20	109.85
Offshore	216.84	329.01	396.59	597.60	341.21	389.82	248.86
Colorado	46.93	63.30	67.70	49.59	53.47	54.32	45.16
Florida	114.02	177.45	151.14	201.02	114.95	127.37	122.98
Illinois	25.53	33.43	31.18	31.74	32.47	33.70	29.50
Indiana	22.02	31.31	29.37	23.23	26.16	34.61	25.81
Kansas	26.01	31.24	31.44	27.37	26.56	27.42	24.15
Kentucky	30.73	36.16	34.77	30.81	30.63	27.53	36.41
Louisiana	158.67	189.69	212.73	160.53	139.57	146.93	158.19
North	50.05	56.64	54.53	45.94	40.59	41.82	31.77
South	158.28	181.89	220.48	140.59	112.01	124.16	126.47
Offshore	292.68	364.70	386.32	308.55	296.33	311.28	299.73
Michigan	53.43	70.80	73.29	56.22	51.78	58.71	65.93
Mississippi	85.08	100.05	113.25	80.87	58.91	67.39	69.15
Montana	69.78	98.36	96.54	74.98	67.86	55.56	64.58
Nebraska	22.84	28.22	31.11	26.56	25.36	20.37	29.05
New Mexico	68.18	90.40	101.49	78.67	66.16	69.07	60.57
East	78.28	107.64	110.98	83.41	68.58	69.05	61.46
West	56.42	68.03	77.60	68.85	60.78	69.10	58.63
North Dakota	95.33	118.78	125.41	84.49	69.81	65.16	63.99
Oklahoma	68.44	90.56	133.47	90.87	63.17	67.98	57.68
Texas	70.41	88.99	96.04	71.61	66.96	67.33	65.27
RRC District 1	54.93	71.41	64.65	48.59	46.33	44.39	36.71
RRC District 2	70.73	90.55	117.40	75.97	74.07	86.47	68.29
RRC District 3	80.99	107.06	113.48	80.98	82.34	79.59	78.93
RRC District 4	87.67	122.28	139.11	103.64	95.87	94.08	88.14
RRC District 5	100.15	124.53	120.48	103.58	88.80	83.40	65.42
RRC District 6	84.74	102.79	114.11	86.33	77.57	75.81	57.69
RRC District 7B	34.12	41.52	40.48	33.99	31.87	31.61	28.40
RRC District 7C	45.87	61.03	61.27	48.16	45.68	50.36	42.94
RRC District 8	67.64	91.25	102.40	73.77	65.40	64.46	67.85
RRC District 8A	45.48	64.38	61.06	50.58	46.73	45.51	44.48
RRC District 9	35.59	44.24	43.40	34.35	35.57	35.32	30.23
RRC District 10	68.16	85.43	101.66	72.21	64.73	60.31	57.15
Offshore	335.47	413.86	501.21	447.91	407.51	397.34	433.68
Utah	157.49	183.88	201.51	211.64	133.21	140.29	101.25
Wyoming	104.13	128.27	154.71	107.55	84.54	76.93	74.56
Appalachia *	33.45	38.10	39.91	35.86	35.19	34.75	31.95
Gulf of Mexico-North	421.58	621.78	415.23	587.16	652.65	653.34	661.56
Offshore Fed. Waters	528.79	664.51	565.44	807.23	803.08	811.45	632.42
Total U.S.	**77.03**	**94.30**	**108.73**	**83.35**	**71.89**	**75.35**	**78.88**

* Appalachia includes New York, Ohio, Pennsylvania, and West Virginia.

Data from Oil & Gas Journal Energy Database.
Source: Joint Association Survey

Indexed Cost of Drilling and Equipping a Well
1984 = 100

	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977
Payments to Drilling Contractors	22.5	23.5	24.0	26.3	28.5	29.8	30.9	34.8	37.9	49.3	56.5	64.5	77.4
Road and Site Preparation	27.4	28.1	30.2	31.5	33.3	35.2	37.8	40.4	42.9	46.0	51.0	54.9	59.2
Transportation	33.3	34.1	36.5	42.4	42.8	44.7	47.5	48.8	50.2	55.8	60.7	64.4	69.0
Fuel	11.5	12.0	12.8	12.2	12.3	13.3	13.7	13.9	15.8	27.7	33.7	38.4	44.6
Drilling Mud and Additives	28.7	28.9	30.6	31.9	33.1	36.1	39.0	39.1	43.8	51.9	66.3	74.5	78.5
Site Log and Monitoring Systems	26.4	27.7	27.9	28.8	31.7	32.2	32.6	32.6	32.6	37.1	43.7	47.0	50.6
Other Physical Tests	26.1	27.2	28.4	29.8	32.0	34.0	36.7	36.7	38.2	43.3	52.1	58.6	64.3
Logs and Wireline Evaluation	19.6	20.4	22.2	23.6	25.1	27.2	29.6	29.6	30.6	34.1	40.3	47.1	52.0
Directional Drilling Services	31.4	31.4	31.4	31.4	31.9	33.4	36.3	37.1	38.5	43.9	46.8	51.1	55.4
Perforate	25.5	25.6	27.7	28.0	29.6	32.4	33.6	33.6	33.6	37.5	44.3	49.1	53.6
Formation Treating	36.7	39.6	41.1	42.6	44.6	45.8	48.8	49.0	50.5	54.0	68.4	74.1	77.8
Cement and Cementing Services	29.3	30.9	32.6	34.7	36.2	38.6	43.1	43.8	45.9	49.8	62.1	66.6	68.3
Casing and Tubing	20.5	20.5	22.6	24.6	24.7	26.0	30.9	35.0	35.0	47.5	52.8	57.1	63.0
Casing Hardware	20.5	20.5	22.6	24.6	24.7	26.0	30.9	35.0	35.0	47.5	52.8	57.1	63.0
Special Tool Rental	32.1	32.4	33.2	34.3	35.7	39.1	40.1	40.1	40.7	45.3	52.1	57.6	63.1
Drill Bits and Reamers	22.3	22.5	23.4	25.7	27.8	29.9	30.3	32.1	32.8	37.4	46.5	50.2	55.4
Wellhead Equipment	17.2	17.9	18.5	19.9	20.9	21.9	23.0	23.3	24.7	28.8	34.8	40.8	47.7
Other Equipment and Supplies	22.4	22.8	23.5	25.0	26.5	27.8	28.8	30.0	31.4	37.2	46.2	51.2	55.6
Plugging	24.9	26.3	27.9	29.8	32.1	35.3	39.7	42.5	44.3	47.7	54.8	58.1	61.0
Supervision and Overhead	25.7	26.9	28.5	30.1	32.1	33.5	35.2	37.2	39.7	45.2	50.1	53.9	58.4
All Other Expenditures	29.9	30.5	31.0	31.7	32.8	34.1	35.3	36.6	39.1	47.7	53.2	56.5	60.5
Composite Cost per Foot	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite Cost per Well	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Indexed Cost of Drilling and Equipping a Well
1984 = 100

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Payments to Drilling Contractors	86.1	111.5	128.4	157.0	163.5	114.3	100.0	101.0	85.9	64.4
Road and Site Preparation	64.8	71.8	80.4	86.5	91.2	96.7	100.0	102.0	106.5	106.2
Transportation	72.1	79.7	90.4	99.0	99.9	100.0	100.0	100.0	105.4	100.0
Fuel	46.0	62.9	93.9	120.9	111.4	101.8	100.0	95.3	58.9	65.9
Drilling Mud and Additives	93.1	102.8	120.3	136.6	141.0	107.5	100.0	101.2	100.6	100.6
Site Log and Monitoring Systems	57.4	67.3	80.6	97.4	98.3	100.0	100.0	100.0	100.0	87.4
Other Physical Tests	70.8	81.1	91.4	94.9	100.1	100.0	100.0	100.0	100.0	133.2
Logs and Wireline Evaluation	66.4	75.4	82.8	96.4	96.4	95.6	100.0	89.9	67.4	73.0
Directional Drilling Services	62.0	71.0	81.2	85.3	101.6	101.6	100.0	98.8	98.8	98.8
Perforate	58.1	65.0	78.3	91.5	100.1	100.0	100.0	100.0	100.0	100.0
Formation Treating	83.3	90.4	109.2	128.0	126.1	105.9	100.0	94.1	89.3	94.0
Cement and Cementing Services	76.0	82.2	96.1	111.9	118.8	107.4	100.0	94.5	86.6	139.0
Casing and Tubing	69.8	73.9	84.8	109.6	121.5	105.2	100.0	98.8	92.1	98.8
Casing Hardware	69.8	73.9	84.8	109.6	121.5	105.2	100.0	98.8	92.1	98.8
Special Tool Rental	69.4	76.9	83.2	93.4	100.5	103.3	100.0	100.0	100.0	100.9
Drill Bits and Reamers	62.0	68.2	77.8	89.0	98.3	99.9	100.0	98.6	98.8	100.8
Wellhead Equipment	53.3	61.7	75.1	90.8	102.1	97.1	100.0	103.8	103.8	101.8
Other Equipment and Supplies	61.6	68.2	79.0	94.3	103.5	100.9	100.0	100.3	97.6	98.2
Plugging	67.0	72.1	79.8	90.0	98.3	98.5	100.0	98.1	97.4	100.4
Supervision and Overhead	65.7	72.4	80.3	89.1	96.2	100.3	100.0	103.3	108.1	106.5
All Other Expenditures	65.0	73.3	85.2	94.3	96.8	97.9	100.0	100.4	96.8	99.3
Composite Cost per Foot	78.2	91.9	103.0	120.3	131.7	108.8	100.0	97.9	97.3	89.2
Composite Cost per Well	82.7	96.4	106.3	124.8	135.1	106.7	100.0	99.7	100.9	93.5

Data from Oil & Gas Journal Energy Database.
Source: Independent Petroleum Association of America

International Active Drilling Rigs

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
North America												
Canada	179	218	272	339	401	264	199	201	259	311	178	181
U.S.	1,656	2,001	2,255	2,176	2,910	3,969	3,117	2,229	2,429	1,976	970	936
Total	**1,835**	**2,219**	**2,527**	**2,515**	**3,311**	**4,233**	**3,316**	**2,430**	**2.688**	**2,287**	**1,148**	**1,117**
Latin America												
Argentina	65	68	72	63	76	70	67	73	82	81	47	61
Barbados	0	0	0	0	0	1	1	1	1	1	1	0
Bolivia	8	6	6	6	4	11	11	8	6	5	4	6
Brazil	44	45	52	60	72	81	94	83	70	76	77	60
Chile	5	5	5	6	7	7	7	6	6	6	6	7
Colombia	7	11	11	15	14	22	23	18	16	21	17	14
Costa Rica	0	0	0	0	0	0	0	1	1	0	0	1
Ecuador	1	1	1	3	3	4	6	5	4	2	3	3
Guatemala	3	3	1	1	4	6	5	2	1	0	0	1
Mexico	138	148	167	205	215	218	202	187	196	186	163	143
Paraguay	0	1	1	0	0	0	1	0	0	0	0	0
Peru	15	13	16	20	21	24	23	16	17	12	13	15
Trinidad	17	15	17	14	13	14	13	10	9	10	11	9
Uruguay	0	0	0	0	0	0	0	0	0	0	0	0
Venezuela	16	20	33	47	52	63	69	41	30	33	29	18
Total	**319**	**336**	**382**	**440**	**481**	**521**	**522**	**451**	**439**	**443**	**371**	**338**
Europe												
Austria	9	10	9	10	8	9	9	9	7	7	6	4
Belgium	0	0	0	0	1	0	0	0	0	0	0	0
Denmark	3	0	0	0	3	2	2	5	3	4	3	3
France	13	7	8	11	13	21	22	17	20	22	15	8
Germany	22	21	22	21	22	26	31	25	19	20	19	12
Greece	0	0	2	2	3	6	5	3	4	1	0	2
Holland	18	18	14	17	17	17	21	17	18	24	15	10
Ireland	1	2	3	2	1	0	0	1	2	2	1	1
Italy	11	12	18	21	19	32	38	26	26	40	33	26
Norway	9	5	5	7	11	12	13	10	10	13	12	12
Portugal	1	0	0	0	0	1	1	1	0	0	0	0
Spain	7	6	6	5	10	11	12	8	9	10	7	2
Switzerland	0	0	0	0	1	1	1	0	0	0	0	0
United Kingdom	36	36	34	34	48	58	58	42	60	63	43	44
Yugoslavia	13	24	23	22	22	22	24	21	25	27	30	31
Total	**143**	**141**	**144**	**152**	**179**	**218**	**237**	**185**	**203**	**233**	**184**	**155**
Far East												
Bangladesh	4	2	3	2	3	5	5	2	4	5	5	5
Brunei	5	7	8	8	8	7	10	10	9	7	5	3
Burma	18	17	18	22	26	30	32	36	33	33	33	29
China-offshore	0	0	0	8	12	9	10	10	9	14	7	4
India	41	43	40	40	43	44	50	56	57	62	70	116
Indonesia	51	46	62	66	77	86	92	88	82	80	62	37
Japan	14	14	13	15	16	16	22	20	18	16	15	10
Korea South	0	1	1	0	0	0	0	0	0	0	0	0
Malaysia	4	8	11	13	12	12	13	10	9	8	8	8
North Korea	0	0	0	1	1	0	0	0	0	0	0	0
Pakistan	8	5	8	13	14	15	17	17	17	18	17	14
Philippines	6	6	6	15	12	13	14	8	3	2	1	2
Taiwan	10	11	9	10	12	11	4	5	6	7	7	4
Thailand	4	1	2	2	5	7	8	13	11	9	4	6
Viet Nam	0	0	0	2	1	0	0	0	0	0	0	0
Total	**165**	**161**	**181**	**217**	**242**	**255**	**277**	**275**	**258**	**261**	**234**	**238**

International Active Drilling Rigs

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Africa												
Algeria	83	108	101	109	111	91	81	54	27	35	41	40
Angola	0	1	2	6	5	5	11	12	7	11	7	10
Benin	0	0	0	0	0	0	0	0	1	1	0	0
Cameroon	2	2	2	4	6	7	7	5	4	2	1	0
Chad	0	1	1	1	1	1	1	0	0	1	1	0
Congo	2	2	1	1	4	7	6	4	3	3	2	3
Gabon	5	6	4	6	8	13	12	7	6	7	3	3
Ghana	0	1	1	0	0	0	0	0	0	0	0	0
Ivory Coast	1	1	2	3	3	5	5	2	2	1	0	0
Kenya	0	0	0	0	0	0	0	0	0	0	0	1
Kole	0	0	1	0	0	0	0	0	0	0	0	0
Liberia	0	0	0	0	0	0	0	0	0	1	0	0
Libya	19	23	28	33	41	33	31	24	26	30	20	12
Madagascar	0	0	0	0	0	0	0	0	0	1	1	0
Morocco	3	4	4	3	2	5	5	6	4	3	3	2
Niger	2	3	4	5	5	5	3	0	0	0	0	0
Nigeria	15	16	16	18	20	23	27	17	11	10	10	11
Senegal	0	0	0	0	0	0	0	0	0	0	0	0
Sierra Leone	0	0	0	0	0	0	0	0	0	0	0	0
Somalia	0	0	0	0	0	0	0	0	0	2	0	0
South Africa	1	2	2	2	2	2	2	2	2	3	3	3
Sudan	0	0	1	2	2	3	2	4	2	1	1	0
Tanzania	0	0	0	0	0	0	0	0	1	0	0	0
Tunisia	5	4	6	7	8	11	11	7	6	4	3	4
Zaire	1	1	0	1	1	2	2	2	2	2	1	1
Total	**139**	**175**	**176**	**201**	**219**	**213**	**206**	**146**	**104**	**118**	**97**	**90**
Middle East												
Abu Dhabi	14	15	16	20	23	31	41	35	29	21	15	9
Bahrain	2	0	2	1	1	1	1	1	0	1	1	1
Dubai	6	4	2	1	3	2	3	7	7	5	3	2
Egypt	22	20	16	21	26	27	36	35	36	37	33	23
Iran	56	56	53	8	0	0	3	13	20	20	18	18
Iraq	26	27	29	32	39	14	11	23	19	28	21	10
Jordan	0	0	0	0	0	0	0	0	3	2	2	2
Kuwait	1	1	2	2	3	3	4	5	5	6	6	6
North Yemen	0	0	0	0	0	0	0	0	0	1	4	4
Oman	4	6	6	7	8	10	12	11	12	13	13	10
Qatar	5	6	6	6	8	7	5	3	2	3	1	1
Ras al Khaymah	1	2	1	0	1	1	2	1	0	0	0	0
Saudi Arabia	16	21	22	22	25	29	29	26	16	11	6	5
Sharjah	1	2	1	0	1	2	3	1	0	0	0	0
South Yemen	0	0	0	0	0	0	0	0	0	2	1	0
Syria	18	18	17	15	15	16	15	15	23	26	27	22
Turkey	17	16	17	9	24	26	34	26	24	25	27	26
Umm al Qawain	2	1	1	0	0	1	1	1	0	0	0	0
Total	**191**	**195**	**191**	**144**	**177**	**170**	**200**	**203**	**196**	**201**	**178**	**139**
South Pacific												
Australia	6	7	10	11	15	23	33	25	34	31	15	16
New Zealand	2	1	2	2	2	3	1	2	2	4	4	3
Papua, New Guinea	0	0	0	0	1	0	0	1	1	2	1	2
Total	**8**	**8**	**12**	**13**	**18**	**26**	**34**	**28**	**37**	**37**	**20**	**21**
Total Non-Communist	**2,800**	**3,235**	**3,613**	**3,682**	**4,627**	**5,636**	**4,792**	**3,718**	**3,925**	**3,580**	**2,232**	**2,098**

Data from Oil & Gas Journal Energy Database
Source: Baker Hughes Inc.

Total Non-Communist Active Drilling Rig Count
Outside U.S. and Canada
Land, Offshore, Total

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1981													
Land	1,016	1,039	1,063	1,041	1,036	1,024	1,043	1,045	1,063	1,064	1,074	1,088	**1,049.7**
Offshore	334	347	350	349	351	351	336	348	362	360	358	362	**350.7**
Total	1,350	1,386	1,413	1,390	1,387	1,375	1,379	1,393	1,425	1,424	1,432	1,450	**1,400.3**
1982													
Land	1,093	1,089	1,076	1,081	1,098	1,076	1,080	1,076	1,058	1,081	1,080	1,060	**1,079.0**
Offshore	379	385	403	391	399	410	405	395	404	401	408	399	**398.3**
Total	1,472	1,474	1,479	1,472	1,497	1,486	1,485	1,471	1,462	1,482	1,488	1,459	**1,477.3**
1983													
Land	1,026	1,019	974	940	941	939	942	925	910	887	860	852	**934.6**
Offshore	399	371	358	349	342	358	349	341	338	335	347	351	**353.2**
Total	1,425	1,390	1,332	1,289	1,283	1,297	1,291	1,266	1,248	1,222	1,207	1,203	**1,287.8**
1984													
Land	855	890	877	865	883	877	871	904	917	918	918	928	**891.9**
Offshore	338	337	336	349	354	342	353	347	346	348	348	357	**346.3**
Total	1,193	1,227	1,213	1,214	1,219	1,219	1,224	1,251	1,263	1,266	1,266	1,285	**1,236.7**
1985													
Land	926	924	916	914	937	941	946	936	942	950	950	951	**936.1**
Offshore	357	346	359	357	357	368	356	353	351	344	353	337	**353.2**
Total	1,283	1,270	1,275	1,271	1,294	1,309	1,302	1,289	1,293	1,294	1,303	1,288	**1,289.3**
1986													
Land	927	910	894	879	847	813	748	735	738	735	700	690	**801.3**
Offshore	333	327	313	301	274	272	271	259	234	248	252	250	**277.8**
Total	1,260	1,237	1,207	1,180	1,121	1,085	1,019	994	972	983	952	940	**1,079.2**
1987													
Land	695	712	716	725	716	727	743	738	750	743	758	775	**733.2**
Offshore	255	245	233	243	245	242	222	243	237	255	276	276	**247.7**
Total	950	957	949	968	961	969	965	981	987	998	1,034	1,051	**980.8**

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc.

Active Rigs in Canada

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1970	184.6	195.0	186.4	86.1	71.1	100.2	116.8	114.2	122.6	134.1	130.2	169.1	**134.2**
1971	188.3	180.3	181.2	61.6	61.4	112.5	90.5	98.6	109.5	109.3	119.8	167.0	**123.3**
1972	211.0	214.5	221.2	100.2	82.4	127.5	135.2	132.0	136.0	149.8	166.5	201.8	**156.5**
1973	232.2	268.8	262.8	108.0	100.0	151.3	163.6	169.6	175.3	172.8	160.3	180.8	**178.8**
1974	213.2	242.8	258.7	117.4	60.5	113.0	145.8	139.7	127.6	137.5	142.2	153.4	**154.3**
1975	162.2	181.0	191.8	71.5	45.0	111.0	131.8	131.7	118.4	145.7	153.0	170.0	**134.4**
1976	212.5	229.8	224.6	68.5	103.2	152.0	156.5	190.6	186.2	195.0	194.0	223.0	**178.0**
1977	245.6	277.5	260.5	129.0	128.8	183.5	210.0	236.8	210.2	221.8	252.0	259.5	**217.9**
1978	245.8	286.0	290.8	164.0	151.0	244.5	285.8	311.0	295.5	315.4	338.0	333.3	**271.8**
1979	304.0	366.2	341.5	219.8	199.2	319.3	352.0	376.2	395.5	391.2	391.5	403.0	**338.7**
1980	368.0	430.0	421.0	331.0	357.8	398.8	412.8	455.6	422.4	405.1	410.8	399.6	**401.1**
1981	384.0	435.5	386.8	162.3	167.3	227.2	232.0	230.4	223.3	223.3	228.8	260.6	**263.5**
1982	248.0	338.8	303.8	113.0	76.6	130.0	129.8	146.0	150.3	164.3	251.2	346.5	**199.9**
1983	240.6	233.3	226.1	77.8	75.6	174.3	181.0	245.2	216.0	203.4	239.6	296.1	**200.8**
1984	279.0	328.3	338.5	133.6	151.0	228.0	258.0	270.0	238.0	247.0	289.0	347.0	**259.0**
1985	330.0	393.0	395.0	148.0	166.0	304.0	317.0	339.0	297.0	303.0	347.0	392.0	**310.9**
1986	437.0	454.0	347.0	66.0	39.0	64.0	70.0	102.0	102.0	107.0	113.0	237.0	**178.2**
1987	284.0	138.0	168.0	60.0	61.0	122.0	161.0	182.0	248.0	274.0	275.0	197.0	**180.8**

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc.

Active Seismic Crews
By Area, Average

	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Africa:											
Land	73.0	64.0	52.8	63.8	81.8	69.5	60.3	53.3	54.5	44.3	37.3
Marine	3.3	9.5	5.0	6.5	6.8	5.8	10.3	6.3	5.8	4.3	4.5
Total	**76.3**	**73.5**	**57.8**	**70.3**	**88.5**	**75.3**	**70.5**	**59.5**	**60.3**	**48.5**	**41.8**
Canada:											
Land	54.3	82.0	64.3	75.0	65.8	62.8	71.8	82.3	86.0	53.0	57.5
Marine	1.5	1.5	1.5	2.8	4.5	4.5	6.5	5.3	3.8	0.5	0.5
Total	**55.8**	**83.5**	**65.8**	**77.8**	**70.3**	**67.3**	**78.3**	**87.5**	**89.8**	**53.5**	**58.0**
Central & South America:											
Land	47.8	47.0	51.3	66.3	91.3	98.0	81.3	79.0	63.5	48.3	46.3
Marine	7.8	6.5	9.3	8.5	7.8	7.3	5.0	9.0	8.3	4.5	4.8
Total	**55.5**	**53.5**	**60.5**	**74.8**	**99.0**	**105.3**	**86.3**	**88.0**	**71.8**	**52.8**	**51.0**
Far East:											
Land	34.3	49.3	48.0	59.0	78.5	102.5	94.5	84.5	92.3	73.8	87.3
Marine	9.0	8.8	13.5	15.3	12.8	15.5	14.5	12.3	8.5	8.8	9.0
Total	**43.3**	**58.0**	**61.5**	**74.3**	**91.3**	**118.0**	**109.0**	**96.8**	**100.8**	**82.5**	**96.3**
Middle East:											
Land	31.5	38.5	32.8	40.3	45.3	42.8	32.5	36.0	40.3	33.0	34.8
Marine	3.3	1.3	1.5	3.5	3.8	2.8	1.0	1.8	2.3	3.8	3.0
Total	**34.8**	**39.8**	**34.3**	**43.8**	**49.0**	**45.5**	**33.5**	**37.8**	**42.5**	**36.8**	**37.8**
Mexico:											
Land	20.0	23.8	25.5	29.0	29.0	29.0	27.5	31.5	32.3	28.8	22.8
Marine	1.0	3.3	3.0	3.3	2.8	1.0	0.8	0.0	0.0	0.0	0.3
Total	**21.0**	**27.0**	**28.5**	**32.3**	**31.8**	**30.0**	**28.3**	**31.5**	**32.3**	**28.8**	**23.0**
U.S.:											
Land	282.0	327.8	381.5	501.8	643.8	511.8	429.8	441.3	318.5	161.0	153.8
Marine	27.0	24.3	31.3	38.0	44.5	57.3	49.0	47.0	45.0	22.0	24.0
Total	**309.0**	**352.0**	**412.8**	**539.8**	**688.3**	**569.0**	**478.8**	**488.3**	**363.5**	**183.0**	**177.8**
Western Europe:											
Land	40.0	41.8	49.0	60.0	65.8	68.8	71.0	80.8	78.3	64.8	52.3
Marine	13.8	10.5	13.0	22.5	29.3	30.8	26.0	34.5	35.0	26.0	24.5
Total	**53.8**	**52.3**	**62.0**	**82.5**	**95.0**	**99.5**	**97.0**	**115.3**	**113.3**	**90.8**	**76.8**
Total Non-Communist:											
Land	582.8	674.0	705.0	895.0	1,101.0	985.0	868.5	888.5	765.5	506.8	491.8
Marine	66.5	65.5	78.0	100.3	112.0	124.8	113.0	116.0	108.5	69.8	70.5
Total	**649.3**	**739.5**	**783.0**	**995.3**	**1,213.0**	**1,109.8**	**981.5**	**1,004.5**	**874.0**	**576.5**	**562.3**

Note: Totals may not add due to independent rounding.

Data from Oil & Gas Journal Energy Database.
Source: Society of Exploration Geophysicists

Active Seismic Crew Count
In Canada

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
Total 1980	99	101	114	18	44	56	61	59	64	61	69	77	68.6
Land	98	101	114	18	42	54	58	53	58	57	66	74	66.1
Marine	1	0	0	0	2	2	3	6	6	4	3	3	2.5
Total 1981	101	108	105	25	34	47	52	48	50	56	61	79	63.8
Land	98	105	103	23	31	42	45	41	44	51	56	74	59.4
Marine	3	3	2	2	3	5	7	7	6	5	5	5	4.4
Total 1982	99	104	106	22	24	33	36	47	46	57	60	84	59.8
Land	95	101	104	19	21	28	31	40	39	51	55	80	55.3
Marine	4	3	2	3	3	5	5	7	7	6	5	4	4.5
Total 1983	93	98	104	32	50	53	56	61	67	74	73	89	70.8
Land	87	93	99	28	43	46	47	50	57	69	70	85	64.5
Marine	6	5	5	4	7	7	9	11	10	5	3	4	6.3
Total 1984	123	127	129	42	49	55	64	67	56	69	84	110	81.3
Land	121	124	125	39	48	53	57	58	46	61	78	105	76.3
Marine	2	3	4	3	1	2	7	9	10	8	6	5	5.0
Total 1985	123	153	156	27	70	71	88	69	54	61	69	78	84.9
Land	123	152	153	21	64	66	80	61	49	59	67	76	80.9
Marine	0	1	3	6	6	5	8	8	5	2	2	2	4.0
Total 1986	123	123	100	11	18	22	12	20	17	32	42	80	50.0
Land	121	121	100	11	18	21	11	18	16	32	42	80	49.3
Marine	2	2	0	0	0	1	1	2	1	0	0	0	0.8
Total 1987	58	68	84	20	34	35	36	46	49	50	50	64	49.5
Land	58	68	84	20	33	34	36	45	48	49	49	64	49.0
Marine	0	0	0	0	1	1	0	1	1	1	1	0	0.5

Data from Oil & Gas Journal Energy Database.
Source: Society of Exploration Geophysicists

Total Non-Communist Well Completions
Total Wells Drilled

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
U.S.	29,542	27,682	29,420	28,662	34,415	40,804	42,614	47,308	51,671	53,362
Canada	3,108	3,175	3,548	4,621	4,227	4,242	6,221	6,197	7,170	7,489
Latin America	1,829	1,845	1,703	1,638	1,727	1,557	1,788	1,925	2,329	3,156
Western Europe	362	418	459	400	489	576	555	576	659	675
Middle East	242	293	425	609	630	596	604	644	585	621
Africa	709	653	645	597	628	605	435	596	584	841
Far East	246	579	535	698	810	745	742	704	976	2,965
Total Non-Communist	**36,038**	**34,645**	**36,735**	**37,225**	**42,926**	**49,125**	**52,959**	**57,950**	**63,974**	**69,109**

	1980	1981	1982	1983	1984	1985	1986
U.S.	71,562	91,600	83,092	75,033	84,983	70,806	38,923
Canada	8,813	6,927	6,464	7,095	8,765	12,564	5,991
Latin America	3,798	4,139	4,100	NA	2,330	3,434	3,144
Western Europe	1,031	1,093	1,060	1,067	930	1,279	1,179
Middle East	817	771	571	NA	270	NA	659
Africa	870	948	771	607	681	509	456
Far East	4,078	4,266	915	1,389	1,975	6,951	6,874
Total Non-Communist	**90,969**	**109,744**	**96,973**	**85.191**	**99,934**	**95,543**	**57,226**

Data from Oil & Gas Journal Energy Database.
Source: American Association of Petroleum Geologists, American Petroleum Institute

Total Non-Communist Well Completions
Exploratory Wells Drilled

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
U.S.	7,436	7,131	7,551	7,771	8,969	9,459	9,317	10,140	11,030	10,735
Canada	1,537	1,534	1,633	2,219	1,735	1,649	2,481	2,801	3,144	2,925
Latin America	444	419	399	384	405	321	362	406	329	NA
Western Europe	159	199	210	217	243	296	272	252	297	325
Middle East	72	48	81	65	70	100	120	99	122	NA
Africa	263	257	223	178	191	200	162	204	201	204
Far East	246	261	312	342	338	313	249	247	395	377
Total Non-Communist	**10,157**	**9,849**	**10,409**	**11,176**	**11,951**	**12,338**	**12,963**	**14,149**	**15,518**	**14,566**

	1980	1981	1982	1983	1984	1985	1986
U.S.	12,870	17,491	15,842	13,865	15,138	12,208	7,187
Canada	3,857	3,074	2,346	2,041	2,863	3,404	2,034
Latin America	409	970	879	504	543	614	455
Western Europe	NA	507	599	528	396	616	630
Middle East	88	NA	167	111	110	NA	127
Africa	207	284	297	204	208	284	241
Far East	403	125	464	547	684	545	442
Total Non-Communist	**17,834**	**22,451**	**20,594**	**17,800**	**19,942**	**17,671**	**11,116**

Data from Oil & Gas Journal Energy Database.
Source: American Association of Petroleum Geologists, American Petroleum Institute

Notes

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U.S. Crude Oil Production

Year	000 bbl.	000 b/d	Year	000 bbl.	000 b/d	Year	000 bbl.	000 b/d
1859	2		1902	88,767	243.2	1945	1,713,655	4,694.9
1860	500	1.4	1903	100,461	275.2	1946	1,733,939	4,750.5
1861	2,114	5.8	1904	117,081	319.9	1947	1,856,987	5,087.6
1862	3,057	8.4	1905	134,717	369.1	1948	2,020,185	5,519.6
1863	2,611	7.2	1906	126,494	346.6	1949	1,841,940	5,046.4
1864	2,116	5.8	1907	166,095	455.1	1950	1,973,574	5,407.1
1865	2,498	6.8	1908	178,527	487.8	1951	2,247,711	6,158.1
1866	3,598	9.9	1909	183,171	501.8	1952	2,289,836	6,256.4
1867	3,347	9.2	1910	209,557	574.1	1953	2,357,082	6,457.8
1868	3,646	10.0	1911	220,449	604.0	1954	2,314,988	6,342.4
1869	4,215	11.5	1912	222,935	609.1	1955	2,484,428	6,806.7
1870	5,261	14.4	1913	248,446	680.7	1956	2,617,283	7,151.0
1871	5,205	14.3	1914	265,763	728.1	1957	2,616,901	7,169.6
1872	6,293	17.2	1915	281,104	770.1	1958	2,448,987	6,709.6
1873	9,894	27.1	1916	300,767	821.8	1959	2,574,590	7,053.7
1874	10,927	29.9	1917	335,316	918.7	1960	2,574,933	7,035.3
1875	*11,963	32.8	1918	355,928	975.1	1961	2,621,758	7,182.9
1876	9,133	25.0	1919	378,367	1,036.6	1962	2,676,189	7,332.0
1877	13,350	36.6	1920	442,929	1,210.2	1963	2,752,723	7,541.7
1878	15,397	42.2	1921	472,183	1,293.7	1964	2,786,822	7,614.3
1879	19,914	54.6	1922	557,531	1,527.5	1965	2,848,514	7,804.1
1880	26,286	71.8	1923	732,407	2,006.6	1966	3,027,763	8,295.2
1881	27,661	75.8	1924	713,940	1,950.7	1967	3,215,742	8,810.3
1882	+30,511	83.6	1925	763,743	2,092.4	1968	3,329,042	9,095.7
1883	23,450	64.2	1926	770,874	2,112.0	1969	3,371,751	9,237.7
1884	24,218	66.2	1927	901,129	2,468.8	1970	3,517,450	9,636.8
1885	21,859	59.9	1928	901,474	2,463.0	1971	3,453,914	9,462.8
1886	28,065	76.9	1929	1,007,323	2,759.8	1972	3,455,368	9,440.9
1887	28,283	77.5	1930	898,011	2,460.3	1973	3,360,903	9,208.0
1888	27,612	75.4	1931	851,081	2,331.7	1974	3,202,585	8,774.2
1889	35,164	96.3	1932	785,159	2,145.2	1975	3,056,779	8,374.7
1890	45,824	125.5	1933	905,656	2,481.2	1976	2,976,180	8,131.6
1891	54,293	148.7	1934	908,065	2,487.8	1977	3,009,265	8,244.6
1892	50,515	138.0	1935	996,596	2,730.4	1978	3,178,216	8,707.4
1893	48,431	132.7	1936	1,099,687	3,004.6	1979	3,121,310	8,551.5
1894	49,344	135.2	1937	1,279,160	3,504.5	1980	3,146,365	8,596.6
1895	52,892	144.9	1938	1,214,355	3,327.0	1981	3,128,624	8,571.6
1896	60,960	166.6	1939	1,264,962	3,465.6	1982	3,156,715	8,648.5
1897	60,476	165.7	1940	1,353,214	3,697.3	1983	3,170,999	8,687.7
1898	55,364	151.7	1941	1,402,228	3,841.7	1984	3,249,696	8,879.0
1899	57,071	156.4	1942	1,386,645	3,799.0	1985	3,274,553	8,971.4
1900	63,621	173.8	1943	1,505,613	4,125.0	1986	3,168,252	8,680.1
1901	69,389	190.1	1944	1,677,904	4,584.4	1987	3,047,378	8,349.0

* 1875 production includes cumulative California production, 1861-1875, and cumulative Ohio and West Virginia production 1860-1875.

+ 1882 production includes cumulative Kentucky production 1860-1882.

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, American Petroleum Institute, Energy Information Administration

U.S. Crude Oil Production
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	9,175.9	9,395.2	9,271.9	9,291.9	9,262.4	9,213.9	9,217.1	9,168.5	9,065.3	9,223.9	9,161.0	9,063.2	9,209.2
1974	8,933.9	9,142.2	8,965.4	8,954.0	8,910.6	8,780.2	8,780.1	8,698.9	8,442.9	8,611.3	8,568.8	8,526.5	8,776.2
1975	8,455.0	8,591.1	8,493.5	8,456.6	8,378.8	8,420.8	8,335.7	8,248.8	8,279.6	8,324.4	8,277.9	8,253.5	8,376.3
1976	8,231.8	8,231.2	8,232.2	8,077.0	8,124.5	8,094.4	8,127.2	8,110.6	8,149.6	8,063.3	8,079.6	8,060.6	8,131.8
1977	7,854.1	8,138.9	8,089.6	8,144.9	8,074.7	8,101.9	8,104.6	8,306.8	8,479.7	8,573.4	8,579.3	8,487.0	8,244.6
1978	8,359.7	8,376.6	8,720.1	8,817.5	8,825.3	8,832.5	8,756.2	8,758.1	8,800.3	8,820.0	8,741.1	8,661.5	8,705.7
1979	8,474.7	8,525.4	8,601.1	8,553.1	8,601.0	8,431.6	8,363.8	8,547.8	8,523.1	8,621.2	8,760.6	8,614.5	8,551.5
1980	8,675.5	8,704.5	8,698.4	8,684.7	8,635.0	8,554.0	8,547.2	8,414.2	8,619.2	8,531.9	8,495.1	8,605.7	8,597.1
1981	8,539.9	8,604.1	8,613.0	8,556.9	8,501.3	8,628.6	8,499.9	8,582.9	8,604.0	8,562.9	8,586.0	8,585.4	8,572.1
1982	8,509.5	8,702.2	8,667.3	8,591.3	8,683.4	8,646.1	8,658.0	8,633.6	8,700.9	8,701.5	8,697.3	8,597.9	8,649.1
1983	8,696.9	8,758.5	8,700.2	8,775.6	8,631.5	8,667.1	8,636.0	8,679.1	8,784.3	8,770.6	8,770.4	8,396.5	8,688.9
1984	8,867.8	8,874.4	8,671.9	8,856.1	8,955.4	8,852.3	8,884.9	8,809.4	8,993.3	8,905.6	8,978.6	8,896.7	8,878.9
1985	8,739.5	9,024.8	9,094.9	9,043.3	9,132.0	9,021.8	8,948.7	8,802.6	8,953.7	8,969.9	8,902.0	9,029.5	8,971.9
1986	9,137.0	9,173.4	9,013.3	8,863.9	8,837.5	8,623.3	8,659.6	8,373.5	8,328.1	8,418.8	8,412.5	8,352.5	8,682.8
1987	8,480.3	8,388.6	8,464.5	8,498.2	8,336.3	8,278.5	8,251.0	8,209.9	8,205.4	8,363.6	8,397.2	8,317.5	8,349.3

U.S. Crude Oil Production
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	284,454	263,066	287,430	278,757	287,134	276,418	285,731	284,225	271,959	285,940	274,829	280,960	3,360,903
1974	276,950	255,982	277,927	268,619	276,228	263,407	272,184	269,665	253,288	266,949	257,064	264,322	3,202,585
1975	262,104	240,552	263,297	253,698	259,742	252,624	258,408	255,712	248,389	258,057	248,336	255,860	3,056,779
1976	255,185	238,705	255,198	242,310	251,860	242,833	251,942	251,429	244,489	249,962	242,388	249,879	2,976,180
1977	243,478	227,890	250,778	244,347	250,317	243,058	251,244	257,510	254,392	265,776	257,378	263,097	3,009,265
1978	259,150	234,544	270,324	264,526	273,583	264,974	271,442	271,502	264,010	273,420	262,233	268,508	3,178,216
1979	262,716	238,710	266,635	256,593	266,631	252,949	259,278	264,981	255,693	267,256	262,818	267,050	3,121,310
1980	268,940	252,431	269,650	260,541	267,684	256,619	264,964	260,841	258,577	264,489	254,852	266,777	3,146,365
1981	264,736	240,914	267,003	256,708	263,541	258,859	263,498	266,069	258,120	265,450	257,579	266,147	3,128,624
1982	263,793	243,661	268,687	257,738	269,186	259,383	268,398	267,643	261,028	269,745	260,918	266,535	3,156,715
1983	269,604	245,237	269,706	263,269	267,575	260,014	267,717	269,053	263,530	271,890	263,111	260,293	3,170,999
1984	274,902	257,357	268,829	265,682	277,616	265,570	275,432	273,091	269,798	276,075	269,357	275,797	3,249,506
1985	270,926	252,695	281,943	271,299	283,093	270,653	277,410	272,881	268,610	278,068	267,059	279,916	3,274,553
1986	283,248	256,855	279,413	265,917	273,964	258,700	268,448	259,580	249,843	260,984	252,374	258,926	3,168,252
1987	262,888	234,880	262,398	254,945	258,426	248,356	255,782	254,508	246,163	259,272	251,915	257,844	3,047,377

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

U.S. Natural Gas Liquids Production
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	1,680.0	1,744.9	1,734.5	1,749.6	1,739.3	1,726.7	1,737.0	1,747.8	1,741.1	1,756.3	1,774.0	1,728.5	**1,738.3**
1974	1,699.1	1,728.3	1,741.4	1,695.7	1,689.6	1,683.8	1,656.6	1,675.5	1,638.1	1,686.1	1,693.9	1,669.7	**1,688.2**
1975	1,629.5	1,645.9	1,657.9	1,635.2	1,607.0	1,646.3	1,621.3	1,649.8	1,576.7	1,642.6	1,634.9	1,645.9	**1,632.8**
1976	1,585.1	1,640.4	1,615.2	1,616.0	1,587.7	1,605.5	1,591.6	1,596.2	1,602.4	1,600.7	1,620.6	1,589.2	**1,604.2**
1977	1,549.4	1,589.2	1,687.4	1,663.9	1,620.3	1,616.4	1,609.2	1,592.6	1,585.5	1,632.5	1,627.4	1,636.5	**1,617.5**
1978	1,556.5	1,562.1	1,590.4	1,618.5	1,530.2	1,583.4	1,558.2	1,556.4	1,546.1	1,540.3	1,601.9	1,566.5	**1,567.5**
1979	1,530.4	1,561.1	1,547.7	1,610.9	1,569.6	1,571.4	1,564.4	1,575.4	1,564.6	1,607.0	1,675.9	1,625.7	**1,583.7**
1980	1,648.3	1,655.9	1,567.8	1,630.1	1,615.3	1,561.4	1,523.5	1,519.4	1,515.5	1,515.7	1,570.5	1,559.6	**1,573.6**
1981	1,651.8	1,653.5	1,623.7	1,598.6	1,303.2	1,593.7	1,547.5	1,614.5	1,612.1	1,598.4	1,629.8	1,589.9	**1,584.7**
1982	1,577.6	1,562.7	1,571.6	1,541.5	1,518.1	1,510.5	1,512.6	1,524.4	1,518.2	1,530.2	1,608.6	1,628.5	**1,550.4**
1983	1,568.7	1,565.4	1,526.0	1,491.7	1,483.2	1,510.2	1,527.6	1,545.4	1,589.8	1,592.8	1,630.0	1,537.3	**1,547.4**
1984	1,568.0	1,631.7	1,595.2	1,615.3	1,610.5	1,609.3	1,630.0	1,633.2	1,656.0	1,645.5	1,674.5	1,646.1	**1,626.3**
1985	1,614.6	1,611.2	1,587.2	1,567.3	1,579.4	1,584.3	1,552.5	1,578.1	1,560.2	1,595.0	1,645.2	1,666.9	**1,595.2**
1986	1,705.8	1,691.5	1,599.9	1,518.3	1,538.2	1,499.6	1,503.1	1,440.6	1,464.1	1,472.7	1,565.5	1,566.0	**1,547.1**
1987	1,577.8	1,613.5	1,593.1	1,585.2	1,581.1	1,574.0	1,578.0	1,567.0	1,577.3	1,598.4	1,632.2	1,616.6	**1,591.2**

U.S. Natural Gas Liquids Production
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	52,081	48,857	53,769	52,488	53,917	51,801	53,846	54,183	52,233	54,444	53,219	53,585	**634,423**
1974	52,672	48,392	53,983	50,872	52,379	50,514	51,354	51,942	49,144	52,268	50,817	51,761	**616,098**
1975	50,515	46,086	51,396	49,056	49,818	49,390	50,260	51,143	47,302	50,922	49,048	51,022	**595,958**
1976	49,137	47,573	50,072	48,481	49,218	48,166	49,340	49,482	48,071	49,621	48,618	49,266	**587,045**
1977	48,030	44,497	52,310	49,916	50,229	48,491	49,885	49,372	47,564	50,608	48,821	50,732	**590,455**
1978	48,252	43,739	49,302	48,555	47,436	47,503	48,303	48,248	46,383	47,748	48,056	48,561	**572,088**
1979	47,443	43,711	47,978	48,326	48,658	47,143	48,497	48,838	46,939	49,818	50,276	50,396	**578,023**
1980	51,098	48,022	48,602	48,904	50,074	46,841	47,229	47,102	45,464	46,987	47,115	48,349	**575,787**
1981	51,205	46,297	50,335	47,957	40,398	47,810	47,974	50,048	48,363	49,551	48,895	49,287	**578,120**
1982	48,907	43,756	48,719	46,244	47,062	45,316	46,892	47,257	45,546	47,437	48,257	50,483	**565,876**
1983	48,631	43,832	47,306	44,752	45,980	45,307	47,357	47,907	47,695	49,377	48,900	47,655	**564,699**
1984	48,607	47,318	49,452	48,460	49,925	48,279	50,530	50,628	49,679	51,009	50,236	51,029	**595,152**
1985	50,053	45,114	49,202	47,020	48,962	47,528	48,127	48,920	46,806	49,444	49,356	51,674	**582,206**
1986	52,879	47,362	49,598	45,548	47,684	44,988	46,597	44,659	43,922	45,653	46,965	48,546	**564,401**
1987	48,911	45,177	49,386	47,557	49,014	47,221	48,919	48,577	47,320	49,549	48,967	50,116	**580,714**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Total U.S. Liquids Production
Thousands of barrels per day

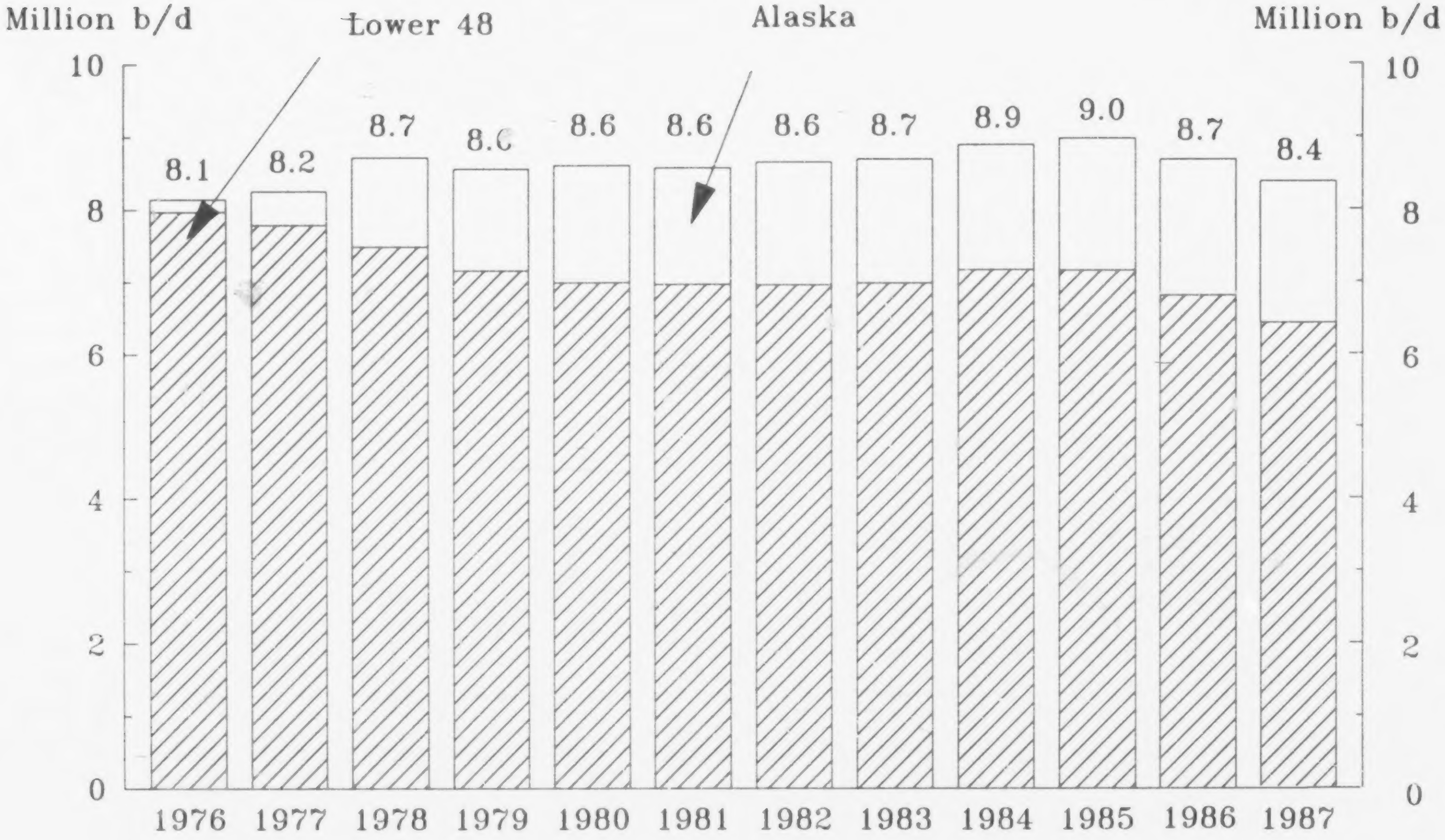
	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	10,856.0	11,140.1	11,006.4	11,041.5	11,001.6	10,940.6	10,954.1	10,916.4	10,806.4	10,980.1	10,934.9	10,791.8	10,947.5
1974	10,633.0	10,870.5	10,706.8	10,649.7	10,600.2	10,464.0	10,436.7	10,374.4	10,081.1	10,297.3	10,262.7	10,196.2	10,464.4
1975	10,084.5	10,237.1	10,151.4	10,091.8	9,985.8	10,067.1	9,957.0	9,898.5	9,856.4	9,967.1	9,912.8	9,899.4	10,008.1
1976	9,816.8	9,871.7	9,847.4	9,693.0	9,712.2	9,700.0	9,718.8	9,706.8	9,752.0	9,664.0	9,700.2	9,649.8	9,736.1
1977	9,403.5	9,728.1	9,777.0	9,808.8	9,695.0	9,718.3	9,713.8	9,899.4	10,065.2	10,205.9	10,206.6	10,123.5	9,862.1
1978	9,916.2	9,938.7	10,310.5	10,436.0	10,355.5	10,415.9	10,314.4	10,314.5	10,346.4	10,360.3	10,343.0	10,228.0	10,273.3
1979	10,005.1	10,086.5	10,148.8	10,164.0	10,170.6	10,003.1	9,928.2	10,123.2	10,087.7	10,228.2	10,436.5	10,240.2	10,135.2
1980	10,323.8	10,360.4	10,266.2	10,314.8	10,250.3	10,115.3	10,070.7	9,933.6	10,134.7	10,047.6	10,065.6	10,165.4	10,170.7
1981	10,231.2	10,293.7	10,271.9	10,194.7	10,160.1	10,287.3	10,098.1	10,242.9	10,281.0	10,225.2	10,269.2	10,219.7	10,231.3
1982	10,127.9	10,311.9	10,284.0	10,188.3	10,244.4	10,212.0	10,228.9	10,215.0	10,279.0	10,299.1	10,359.1	10,276.0	10,252.1
1983	10,331.4	10,387.8	10,278.8	10,321.9	10,190.1	10,261.0	10,228.3	10,283.7	10,446.9	10,433.7	10,460.8	9,983.4	10,300.6
1984	10,477.0	10,564.8	10,319.1	10,531.0	10,623.2	10,507.3	10,587.1	10,478.4	10,692.3	10,608.2	10,689.0	10,577.8	10,554.8
1985	10,412.5	10,692.0	10,748.0	10,673.2	10,770.2	10,663.5	10,550.2	10,484.8	10,584.5	10,637.4	10,640.2	10,777.3	10,636.1
1986	10,911.2	10,915.5	10,663.7	10,435.4	10,440.3	10,187.3	10,225.1	9,875.3	9,851.8	9,953.6	10,060.7	9,985.0	10,292.1
1987	10,138.8	10,072.6	10,131.2	10,139.4	9,977.2	9,906.4	9,894.9	9,842.5	9,851.1	10,036.5	10,111.5	10,001.4	10,008.6

Total U.S. Liquids Production
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	336,535	311,923	341,199	331,245	341,051	328,219	339,577	338,408	324,192	340,384	328,048	334,545	3,995,326
1974	329,622	304,374	331,910	319,491	328,607	313,921	323,538	321,607	302,432	319,217	307,881	316,083	3,818,683
1975	312,619	286,638	314,693	302,754	309,560	302,014	308,668	306,855	295,691	308,379	297,384	306,882	3,652,737
1976	304,322	286,278	305,270	290,791	301,078	290,999	301,282	300,911	292,560	299,583	291,006	299,145	3,563,225
1977	291,508	272,387	303,088	294,263	300,546	291,549	301,129	306,882	301,956	316,384	306,199	313,829	3,599,720
1978	307,402	278,283	319,626	313,081	321,019	312,477	319,745	319,750	310,393	321,168	310,289	317,069	3,750,302
1979	310,159	282,421	314,613	304,919	315,289	300,092	307,775	313,819	302,632	317,074	313,094	317,446	3,699,333
1980	320,038	300,453	318,252	309,445	317,758	303,460	312,193	307,943	304,041	311,476	301,967	315,126	3,722,152
1981	317,168	288,224	318,429	305,840	314,963	308,619	313,042	317,530	308,430	316,982	308,077	316,812	3,734,116
1982	313,966	288,734	318,804	305,648	317,577	306,359	317,095	316,666	308,371	319,273	310,774	318,555	3,741,822
1983	320,272	290,859	318,643	309,656	315,893	307,829	317,076	318,794	313,408	323,445	313,823	309,484	3,759,182
1984	324,786	306,379	319,891	315,930	329,319	315,220	328,200	324,830	320,770	328,853	320,670	327,911	3,862,759
1985	322,787	299,375	333,187	320,197	333,876	319,905	327,056	325,030	317,534	329,758	319,206	334,097	3,882,008
1986	338,247	305,635	330,574	313,063	323,650	305,620	316,977	306,135	295,554	308,562	301,822	309,536	3,755,375
1987	314,303	282,032	314,067	304,182	309,294	297,193	306,743	305,118	295,534	311,133	303,346	310,044	3,652,989

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

U.S. Crude Oil Production



Source: BOM, EIA

U.S. Crude Oil Production
By State*
Thousands of barrels

	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949
Alabama	NA	NA	NA	NA	43	181	380	396	466	462
Arkansas	25,775	26,327	26,628	27,600	29,418	28,613	28,375	29,948	31,682	29,986
California	223,881	230,263	248,326	284,188	311,793	326,482	314,713	333,132	340,074	332,942
Colorado	1,626	2,150	2,199	2,320	3,083	5,036	11,856	15,702	17,862	23,587
Florida	NA	NA	NA	4	12	30	57	259	290	441
Illinois	147,647	132,393	106,391	82,260	77,413	75,094	75,297	66,459	64,808	64,501
Indiana	4,978	7,411	6,743	5,283	5,118	4,868	6,726	6,095	6,974	9,696
Kansas	66,139	83,242	97,636	106,178	98,762	96,415	97,218	105,132	110,908	101,868
Kentucky	5,188	4,762	4,534	7,883	9,621	10,325	10,578	9,397	8,801	8,803
Louisiana	103,584	115,908	115,785	123,592	129,645	131,051	143,669	160,128	181,458	190,826
Michigan	19,753	16,359	21,754	20,768	18,490	17,267	17,074	16,215	16,871	16,517
Mississippi	4,400	15,327	28,833	18,807	16,337	19,062	24,298	34,925	45,761	37,966
Missouri	44	47	36	36	45	45	51	55	31	49
Montana	6,728	7,526	8,074	7,916	8,647	8,420	8,825	8,742	9,382	9,118
Nebraska	276	1,898	1,237	635	417	305	293	229	215	330
Ohio	3,159	3,510	3,543	3,322	2,937	2,828	2,908	3,108	3,600	3,483
Oklahoma	156,164	154,702	140,690	123,152	124,616	139,299	134,794	141,019	154,455	151,660
Pennsylvania	17,353	16,750	17,779	15,757	14,118	12,515	12,996	12,690	12,667	11,374
Tennessee	24	12	9	10	9	8	10	8	19	18
Texas	493,209	505,572	483,097	594,343	746,699	754,710	760,215	720,210	903,498	744,834
Utah	NA	NA	NA	NA	NA	NA	NA	NA	16	637
Virginia	NA	NA	NA	2	3	4	23	61	33	43
West Virginia	3,444	3,433	3,574	3,349	3,070	2,879	2,929	2,617	2,692	2,839
Wyoming	25,711	29,878	32,812	34,253	33,356	36,219	38,977	44,772	55,032	47,890
Other states*	44,131	44,758	36,965	43,955	44,252	41,999	41,677	145,688	52,590	52,070
Total U.S.	1,353,214	1,402,228	1,388,845	1,505,613	1,677,904	1,713,655	1,733,939	1,856,987	2,020,185	1,841,940

* Individual figures not available for all states. First year of data does not necessarily indicate first year of production.

U.S. Crude Oil Production
By State*
Thousands of barrels

	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959
Alabama	735	1,020	1,279	1,694	1,584	1,411	3,069	5,406	5,887	5,524
Alaska	NA	NA	NA	NA	NA	NA	NA	NA	29	187
Arkansas	31,108	29,798	29,440	29,681	29,130	28,369	29,355	31,047	28,700	26,329
California	327,607	354,561	359,450	365,085	355,865	354,812	350,754	339,646	313,672	308,946
Colorado	23,303	27,823	30,381	36,402	46,206	52,653	58,516	54,982	48,736	46,440
Florida	487	596	591	543	548	495	479	461	449	424
Illinois	62,028	60,243	60,089	59,026	66,798	81,423	82,346	77,083	80,275	76,727
Indiana	10,699	11,100	12,037	12,823	11,204	10,988	11,513	12,662	11,864	11,554
Kansas	107,586	114,522	114,807	114,566	119,317	121,669	124,204	123,614	119,942	119,543
Kentucky	10,381	11,622	11,918	11,518	13,791	15,518	17,628	17,029	17,509	27,272
Louisiana	208,965	232,281	243,929	256,632	246,558	271,010	299,421	329,896	313,891	362,666
Michigan	15,826	13,927	13,251	12,285	12,028	11,266	10,740	10,169	9,308	10,439
Mississippi	38,236	37,039	36,310	35,620	34,240	37,741	40,824	38,922	39,512	49,620
Missouri	32	24	21	39	96	72	65	65	84	75
Montana	8,109	8,958	9,606	11,920	14,195	15,654	21,760	27,172	27,957	29,857
Nebraska	1,547	2,558	2,660	6,344	7,783	11,203	16,204	19,586	20,373	22,881
Nevada	NA	NA	NA	NA	33	64	64	44	40	32
New Mexico	NA	NA	NA	NA	NA	NA	NA	NA	98,515	105,692
New York	NA	NA	NA	NA	NA	NA	NA	NA	1,763	1,970
North Dakota	NA	25	1,549	5,183	6,025	11,143	13,495	13,259	14,259	17,824
Ohio	3,383	3,140	3,350	3,610	3,880	4,353	4,785	5,478	6,260	5,978
Oklahoma	164,599	186,869	190,435	202,570	185,851	202,817	215,862	214,661	200,699	198,090
Pennsylvania	11,859	11,345	11,233	10,649	9,107	8,531	8,230	8,179	6,472	6,160
South Dakota	NA	NA	NA	NA	37	30	32	54	58	151
Tennessee	12	14	15	16	13	13	9	7	7	6
Texas	829,874	1,010,270	1,022,139	1,019,164	974,275	1,053,297	1,107,808	1,073,867	940,166	971,978
Utah	1,228	1,305	1,737	1,807	1,905	2,227	2,466	4,367	24,811	39,959
Virginia	21	12	10	8	7	4	4	5	4	6
West Virginia	2,808	2,757	2,602	3,038	2,902	2,320	2,179	2,215	2,186	2,184
Wyoming	61,631	68,929	68,074	82,618	93,533	99,483	104,830	109,584	115,572	126,050
Other states*	51,510	56,973	62,923	74,241	78,077	85,862	90,641	97,441	16	26
Total U.S.	**1,973,574**	**2,247,711**	**2,289,836**	**2,357,082**	**2,314,988**	**2,484,428**	**2,617,283**	**2,616,901**	**2,449,016**	**2,574,590**

* Individual figures not available for all states. First year of data does not necessarily indicate first year of production.

U.S. Crude Oil Production
By State
Thousands of barrels

	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969
Alabama	7,329	6,931	7,473	9,175	8,498	8,064	8,030	7,348	7,635	7,701
Alaska	559	6,327	10,259	10,740	11,059	11,128	14,358	29,126	66,204	73,953
Arizona	73	73	39	68	64	97	132	2,924	3,370	2,433
Arkansas	30,117	29,246	27,649	27,406	26,737	25,930	28,824	21,075	19,464	18,049
California	305,352	299,609	296,590	300,908	300,009	316,428	345,295	359,219	375,496	375,291
Colorado	47,469	46,759	42,477	38,283	34,755	33,511	33,492	33,905	31,937	28,294
Florida	369	374	419	464	620	1,464	1,799	1,568	1,474	1,731
Illinois	77,341	76,818	78,796	74,796	70,168	63,708	61,661	59,142	56,391	50,724
Indiana	12,054	11,500	12,077	11,902	11,283	11,481	10,617	10,081	8,692	7,841
Kansas	113,453	112,241	112,076	109,107	106,252	104,733	103,738	99,200	94,505	88,716
Kentucky	21,147	18,344	17,789	18,344	19,772	19,386	18,066	15,535	14,036	12,924
Louisiana	400,832	424,962	477,153	515,057	549,698	594,853	674,318	774,527	817,426	844,603
Michigan	15,899	18,901	17,114	15,972	15,601	14,728	14,273	13,664	12,974	12,213
Mississippi	51,673	54,688	55,713	58,619	56,777	56,183	55,227	54,147	58,708	64,283
Missouri	75	72	55	53	65	73	97	75	65	67
Montana	30,240	30,906	31,648	30,870	30,647	32,778	35,380	34,959	48,460	43,954
Nebraska	23,825	24,369	24,894	21,846	19,113	17,216	13,850	13,373	13,183	12,106
Nevada	27	154	141	118	255	209	307	279	271	223
New Mexico	107,380	112,553	109,328	109,941	113,863	119,166	124,154	126,144	128,550	129,227
New York	1,813	1,658	1,589	1,679	1,874	1,632	1,735	1,972	1,532	1,256
North Dakota	21,992	23,652	25,181	25,030	25,731	26,350	27,126	25,315	25,040	22,703
Ohio	5,405	5,639	5,835	6,039	15,859	12,908	10,899	9,924	11,204	10,972
Oklahoma	192,913	193,081	202,732	201,962	202,524	203,441	224,839	230,749	223,623	224,729
Pennsylvania	6,009	5,643	5,302	5,083	5,113	4,922	4,337	4,387	4,160	4,448
South Dakota	281	233	169	215	247	219	239	211	187	158
Tennessee	20	17	14	16	10	11	7	7	6	32
Texas	927,479	939,191	943,328	977,835	989,525	1,000,749	1,052,706	1,119,962	1,133,380	1,151,775
Utah	37,594	33,118	31,029	33,435	28,575	25,298	24,112	24,048	23,504	23,295
Virginia	2	2	3	3	6	4	1	3	3	1
West Virginia	2,300	2,760	3,470	3,350	3,370	3,530	3,674	3,561	3,312	3,104
Wyoming	133,910	141,937	135,847	144,407	138,752	138,314	134,470	136,312	144,250	154,945
Total U.S.	2,574,933	2,621,758	2,676,189	2,752,723	2,786,822	2,848,514	3,027,763	3,215,742	3,329,042	3,371,751

U.S. Crude Oil Production
By State
Thousands of barrels

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Alabama	7,263	7,832	9,934	11,677	13,323	13,477	14,706	18,252	19,829	19,161
Alaska	83,616	79,494	72,893	72,323	70,603	69,834	63,398	169,201	448,620	511,335
Arizona	1,784	1,236	993	804	740	635	519	427	418	472
Arkansas	18,035	18,263	18,519	18,016	16,527	16,133	18,097	20,202	20,329	18,869
California	372,191	358,484	347,022	336,075	323,003	322,199	326,021	349,609	347,181	352,268
Central Coastal	81,062	85,978	77,333	78,720	75,603	72,943	68,978	67,420	63,052	60,564
East Central	133,437	128,949	127,139	124,458	121,171	125,753	144,173	179,554	189,930	203,120
North	583	652	667	705	546	474	419	359	321	241
South	157,109	142,905	141,883	132,192	125,683	123,029	112,451	102,276	93,878	88,343
Colorado	24,723	27,391	32,015	36,590	37,508	38,089	38,992	39,460	36,797	32,324
Florida	2,999	5,347	16,897	32,695	36,351	41,877	44,460	46,641	47,536	47,168
Illinois	43,747	39,084	34,874	30,669	27,553	26,067	26,272	25,608	23,362	21,793
Indiana	7,487	6,658	6,130	5,312	4,919	4,632	4,630	5,314	4,689	4,715
Kansas	84,853	78,532	73,744	66,227	61,691	59,106	58,714	57,496	56,586	56,995
Kentucky	11,575	10,692	9,702	8,687	7,837	7,556	7,483	6,581	5,724	5,514
Louisiana	906,907	935,243	891,827	831,524	737,324	650,840	606,501	562,905	532,740	489,687
Gulf Coast	859,569	889,828	847,554	791,760	698,488	613,502	568,274	526,013	497,513	457,747
Rest of State	47,338	45,415	44,273	39,764	38,836	37,338	38,227	36,892	35,227	31,940
Michigan	11,693	11,893	12,990	14,614	18,021	24,420	30,421	32,965	34,667	34,862
Mississippi	65,119	64,066	61,100	56,102	50,779	46,614	46,072	43,022	42,024	37,327
Missouri	66	66	60	60	56	57	61	60	54	91
Montana	37,879	34,599	33,904	34,620	34,554	32,844	32,814	32,680	30,467	29,957
Nebraska	11,451	10,062	8,705	7,240	6,611	6,120	6,182	5,968	5,862	6,068
Nevada	149	113	100	96	129	115	143	661	1,156	1,235
New Mexico	128,184	118,412	110,525	100,986	98,695	95,063	92,130	87,223	83,365	79,649
East	119,497	109,597	101,920	93,416	90,695	88,565	86,132	81,296	77,288	73,455
West	8,687	8,815	8,605	7,570	8,000	6,498	5,998	5,927	6,077	6,194
New York	1,194	1,126	1,018	967	896	875	857	824	852	855
North Dakota	21,998	21,653	20,624	20,235	19,697	20,452	21,725	23,273	24,812	30,914
Ohio	9,864	8,286	9,358	8,796	9,088	9,578	9,994	10,359	11,154	11,953
Oklahoma	223,574	213,313	207,633	191,204	177,785	163,123	161,426	156,382	150,456	143,642
Pennsylvania	4,093	3,798	3,441	3,282	3,478	3,264	3,019	2,715	2,887	2,874
South Dakota	160	233	219	275	494	472	447	632	869	846
Tennessee	309	398	198	201	769	682	598	820	593	614
Texas	1,249,697	1,222,926	1,301,685	1,294,671	1,262,126	1,221,929	1,189,523	1,137,880	1,074,050	1,018,094
Dist. 1	18,197	22,591	24,495	21,143	19,138	18,388	21,924	25,705	22,518	19,129
Dist. 2	82,136	76,428	81,805	77,449	71,590	67,827	65,338	61,396	58,704	52,755
Dist. 3	171,058	162,369	178,802	175,847	174,996	166,538	160,285	154,645	143,562	129,065
Dist. 4	89,356	77,349	68,115	60,091	51,487	44,501	38,868	34,343	31,628	30,968
Dist. 5	17,196	26,920	33,357	32,763	20,995	20,247	19,184	16,297	13,347	11,724
Dist. 6 *	81,224	74,249	85,092	79,785	84,828	81,570	77,279	66,199	58,280	53,553
Dist. 7B	38,133	36,490	37,995	36,232	36,190	35,015	33,687	32,441	29,999	28,266
Dist. 7C	43,696	43,200	42,080	39,826	31,118	39,225	38,846	29,584	30,463	30,594
Dist. 8	299,224	289,958	290,874	280,851	274,436	250,250	250,779	260,872	253,057	248,706
Dist. 8A	253,633	267,506	312,720	346,984	361,758	369,978	358,283	336,174	317,420	300,982
Dist. 9	54,656	51,855	49,711	45,950	42,080	38,768	37,304	35,842	34,404	33,151
Dist. 10	28,513	26,151	24,445	22,271	21,308	20,598	20,659	19,884	18,623	18,889
East Texas field	72,675	67,860	72,194	75,479	72,202	69,024	67,087	64,498	62,045	60,312
Utah	23,370	23,630	26,570	32,656	39,363	42,301	34,304	33,113	31,368	27,728
Virginia	1	1	0	0	3	3	3	2	2	4
West Virginia	3,124	2,969	2,677	2,385	2,665	2,479	2,519	2,518	2,382	2,406
Wyoming	160,345	148,114	140,011	141,914	139,997	135,943	134,149	136,472	137,385	131,890
Total U.S.	**3,517,450**	**3,453,914**	**3,455,368**	**3,380,903**	**3,202,585**	**3,058,779**	**2,976,180**	**3,009,265**	**3,178,216**	**3,121,310**

* Excluding East Texas field.

U.S. Crude Oil Production
By State
Thousands of barrels

	1980	1981	1982	1983	1984	1985	1986	1987
Alabama	22,153	20,680	20,014	18,746	19,804	21,581	21,122	20,607
Alaska	591,646	587,337	618,910	625,527	630,401	666,233	681,310	715,955
North Slope	NA	556,265	591,506	600,758	608,418	649,287	663,736	699,806
Rest of State	NA	31,072	27,404	24,769	21,983	16,946	17,574	16,149
Arkansas	18,210	18,352	18,849	18,849	18,730	19,044	15,778	14,230
Arizona	406	357	335	237	215	175	161	131
California	356,923	384,958	401,572	404,688	412,020	423,877	406,665	395,698
Central Coastal	58,505	67,663	76,475	75,783	76,068	75,071	68,056	NA
East Central	215,077	236,073	244,087	250,720	256,406	270,540	268,881	NA
North	309	209	199	180	184	185	188	NA
South	83,032	81,013	80,811	78,005	79,362	78,081	69,540	NA
Colorado	29,802	30,303	30,545	29,050	28,845	30,246	29,309	28,802
Florida	42,886	34,773	25,626	19,476	14,462	11,458	9,383	8,270
Illinois	22,702	24,090	27,710	29,200	28,868	30,265	27,245	23,980
Indiana	4,978	4,721	5,563	5,321	5,526	5,168	4,759	3,738
Kansas	60,151	65,810	70,525	71,594	75,729	75,407	67,034	59,884
Kentucky	5,946	6,548	7,349	7,886	7,777	7,790	6,475	5,743
Louisiana	469,141	449,315	458,395	479,569	515,268	508,239	512,108	481,563
Gulf Coast	436,705	414,359	423,131	446,032	482,562	476,933	482,992	NA
Rest of State	32,436	34,956	35,264	33,537	32,706	31,306	29,116	NA
Michigan	33,808	32,665	31,462	31,736	30,554	27,300	25,688	25,972
Missouri	130	226	202	269	285	243	110	110
Mississippi	35,945	34,204	33,047	31,455	32,776	30,641	29,997	28,103
Montana	29,584	30,813	30,921	29,225	29,761	29,768	27,072	25,059
Nebraska	6,240	6,671	6,872	6,380	6,452	6,943	7,098	6,091
New Mexico	75,324	71,568	71,024	75,169	79,336	78,530	75,712	72,328
East	69,212	64,853	64,609	68,658	71,947	70,534	67,428	NA
West	6,112	6,715	6,415	6,511	7,389	7,996	8,284	NA
Nevada	880	700	613	810	1,907	3,039	2,907	3,112
New York	824	841	834	831	840	1,071	853	710
North Dakota	40,337	45,424	47,271	50,690	52,652	50,857	45,628	41,351
Ohio	12,928	13,551	14,571	14,971	15,271	14,988	13,442	12,153
Oklahoma	150,140	154,056	158,621	158,604	168,385	162,739	149,105	134,378
Pennsylvania	2,651	3,729	4,282	4,282	4,284	4,851	3,783	3,302
South Dakota	765	973	1,158	1,172	1,340	1,596	1,586	1,644
Tennessee	743	918	1,132	1,056	920	786	644	614
Texas	977,436	945,132	925,296	902,676	904,774	888,831	839,606	779,942
Dist. 1	19,557	23,049	25,828	24,684	26,226	26,756	24,081	NA
Dist. 2	47,226	42,402	39,955	40,132	39,527	39,320	35,270	NA
Dist. 3	129,863	133,736	133,968	127,595	124,109	116,908	107,900	NA
Dist. 4	30,538	29,549	28,400	27,583	29,615	29,872	28,431	NA
Dist. 5	10,444	8,863	8,012	8,996	8,258	9,492	11,755	NA
Dist. 6 *	49,063	44,959	42,097	41,849	42,685	41,921	39,668	NA
Dist. 7B	28,915	30,171	32,656	34,075	36,050	37,518	33,969	NA
Dist. 7C	31,622	31,746	33,638	34,334	36,160	37,827	35,537	NA
Dist. 8	240,537	235,455	231,273	228,451	234,589	235,250	223,645	NA
Dist. 8A	278,044	253,798	238,130	224,381	215,609	206,583	200,176	NA
Dist. 9	34,161	35,436	37,485	38,352	40,487	39,859	36,252	NA
Dist. 10	19,016	19,743	20,979	21,205	22,349	20,598	18,469	NA
East Texas field	58,450	56,225	52,875	51,039	49,110	46,927	44,453	NA
Utah	24,978	25,860	22,440	29,534	34,689	40,792	39,172	35,788
Virginia	10	13	49	65	32	26	18	17
West Virginia	2,336	3,473	3,227	3,628	3,524	3,555	3,145	2,835
Wyoming	126,362	130,563	118,300	118,303	124,269	128,514	121,337	115,267
Total U.S.	**3,146,385**	**3,128,624**	**3,156,715**	**3,170,999**	**3,249,696**	**3,274,553**	**3,168,252**	**3,047,378**

* Excluding East Texas field.
1987 data for California, Louisiana and Texas are estimated by Oil & Gas Journal by adding estimated federal offshore production to reported EIA figures.

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, American Petroleum Institute, Energy Information Administration

Crude Oil Production from Stripper Wells
Thousands of barrels

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Alabama	117	162	139	121	144	125	122	158	173	172	189	191
Arizona	5	6	7	5	4	16	23	24	26	29	28	25
Arkansas	5,044	5,199	6,172	7,754	7,231	5,689	5,465	5,132	7,118	5,653	5,286	5,114
California	60,574	52,246	51,410	49,558	45,521	44,110	54,804	55,419	55,993	57,125	41,573	37,182
Colorado	1,953	2,012	2,017	2,018	1,955	1,989	2,159	2,204	3,630	3,330	2,682	6,216
Illinois	25,215	24,936	23,614	21,160	20,325	20,167	22,238	23,989	25,890	25,984	27,719	24,157
Indiana	4,032	4,471	5,255	4,560	4,557	4,019	4,781	4,568	4,336	4,401	4,104	3,827
Kansas	43,707	44,433	44,190	44,461	43,948	44,545	45,010	47,629	48,267	48,665	50,861	61,435
Kentucky	6,183	6,173	5,421	4,713	4,549	4,573	4,479	5,144	5,522	6,630	6,696	5,514
Louisiana	7,574	8,176	7,740	7,916	7,681	7,657	9,012	9,172	9,000	9,844	9,000	10,059
Michigan	4,760	4,602	6,233	5,602	5,620	4,717	2,449	2,820	3,145	3,228	3,272	2,782
Mississippi	649	1,215	1,349	1,233	1,601	1,890	3,805	2,237	1,286	1,330	1,721	1,121
Missouri	57	60	60	53	54	127	226	52	271	271	250	182
Montana	3,579	2,947	3,255	2,805	2,830	2,710	2,748	2,881	3,104	2,577	2,937	2,709
Nebraska	1,545	1,758	2,012	2,025	1,865	2,237	2,510	2,879	3,418	2,974	2,947	2,617
Nevada	0	0	0	0	0	9	0	0	0	NA	NA	NA
New Mexico	11,082	11,141	11,547	11,831	12,068	12,924	13,463	14,207	14,722	15,016	15,367	14,747
New York	875	857	813	852	855	824	849	719	774	680	601	489
North Dakota	930	1,075	1,146	1,196	1,250	1,225	1,386	1,492	1,537	1,756	1,905	1,693
Ohio	6,705	6,996	7,251	7,808	8,367	9,049	9,486	10,199	10,480	10,690	10,491	9,767
Oklahoma	72,530	73,459	74,400	74,175	76,000	79,945	83,249	94,2[illegible]	94,430	94,046	91,842	95,903
Pennsylvania	3,199	2,950	2,659	2,565	2,816	2,650	3,606	3,[illegible]18	3,951	4,242	4,257	3,356
South Dakota	18	21	15	16	22	25	39	55	44	82	65	35
Tennessee	126	140	194	270	387	294	291	NA	584	510	451	475
Texas	126,018	129,700	127,886	131,211	136,590	141,825	145,940	143,929	153,689	152,720	158,738	147,986
Utah	98	262	136	135	180	220	377	NA	543	1,089	1,550	878
Virginia	3	3	2	2	4	10	13	49	22	27	21	14
West Virginia	2,478	2,400	2,384	2,255	2,382	2,313	2,607	2,683	3,117	3,270	3,346	2,988
Wyoming	5,107	4,791	5,225	5,333	5,597	5,211	5,367	6,354	6,944	7,119	7,983	7,984
Total U.S.	**384,183**	**392,191**	**392,532**	**391,833**	**394,405**	**401,095**	**426,502**	**441,951**	**462,013**	**483,459**	**455,884**	**449,447**

Data from Oil & Gas Journal Energy Database.
Source: National Stripper Well Association

Percent of Crude Oil
Produced by Stripper Wells

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Alabama	NA	NA	0.4	0.0	0.9	1.1	0.8	0.6	0.7	0.6	0.5	2.0	2.0	0.9	0.9
Arizona	0.2	1.8	0.1	0.0	0.9	1.1	1.6	1.2	0.8	3.9	6.3	7.0	11.0	16.0	15.8
Arkansas	39.6	39.3	37.0	40.8	18.8	28.7	30.5	38.1	38.3	31.2	29.7	32.0	35.0	27.8	32.4
California	16.3	18.9	18.3	24.0	18.8	16.0	14.7	14.3	12.9	12.4	14.2	15.0	14.0	9.8	9.1
Colorado	7.5	6.3	5.3	4.9	5.1	5.2	5.1	5.5	6.0	6.6	7.1	7.0	13.0	8.9	21.2
Illinois	98.0	95.0	94.0	94.4	96.7	94.9	92.2	90.6	93.2	88.8	92.3	87.0	89.0	91.6	88.7
Indiana	96.7	99.7	98.9	100.0	87.0	96.6	98.9	97.2	96.6	80.7	85.9	98.0	84.0	79.4	80.4
Kansas	66.0	68.4	69.4	75.5	74.0	75.7	76.9	78.6	77.1	74.1	68.3	68.0	67.0	67.4	91.7
Kentucky	98.5	94.1	86.2	82.5	81.8	82.5	82.4	82.3	82.4	76.9	68.4	70.0	70.0	86.0	85.2
Louisiana	0.9	0.9	0.9	1.0	1.2	1.3	1.4	1.5	1.5	1.6	2.0	5.0	6.0	1.8	2.0
Michigan	39.8	37.2	33.3	27.1	19.5	15.1	18.9	16.2	16.1	14.4	7.4	9.0	10.0	12.0	10.8
Mississippi	1.6	0.7	0.8	1.1	1.4	2.6	3.1	2.9	4.2	5.3	11.1	7.0	4.0	5.6	3.7
Missouri	100.0	98.9	100.0	100.0	100.0	98.8	99.2	98.7	98.0	98.0	100.0	100.0	100.0	100.0	100.0
Montana	5.6	5.6	6.2	5.9	10.9	9.0	10.0	9.2	9.4	9.2	8.9	9.0	10.0	9.9	10.0
Nebraska	11.8	12.9	16.5	20.9	25.3	28.4	33.7	34.5	30.7	35.9	37.6	52.0	54.0	42.4	36.9
New Mexico	8.6	9.1	10.1	10.4	11.7	12.1	13.2	14.2	15.1	17.2	18.8	21.0	21.0	21.8	19.5
New York	97.4	100.0	100.0	100.0	100.0	100.0	98.7	99.8	100.0	100.0	100.0	86.0	81.0	56.1	57.3
North Dakota	4.3	3.9	88.3	4.7	4.6	4.9	4.9	4.8	4.0	3.0	3.0	3.0	3.0	3.7	3.7
Ohio	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	69.9	70.0	70.0	70.0	70.0	70.0	72.7
Oklahoma	37.9	37.6	38.7	41.7	44.5	45.5	47.6	49.3	52.9	53 3	54.0	64.0	61.0	56.4	64.3
Pennsylvania	100.0	100.0	100.0	97.7	98.0	97.7	98.0	88.8	97.9	100.0	96.7	87.0	88.0	87.8	88.7
South Dakota	12.0	11.8	9.8	4.3	3.8	4.6	2.3	1.9	2.6	3.3	4.0	4.8	4.0	4.1	2.2
Tennessee	7.5	12.4	22.4	14.0	18.4	23.5	23.7	45.5	63.0	39.5	31.6	41.0	51.0	57.4	73.7
Texas	10.0	9.0	8.7	10.0	10.3	10.9	11.2	12.2	13.4	14.5	9.4	17.0	18.0	17.9	17.6
Utah	0.4	0.4	0.4	0.3	0.2	0.8	0.4	0.4	0.6	0.8	1.4	1.5	2.0	3.8	2.2
Virginia	100.0	100.0	100.0	100.0	100.0	89.9	87.1	100.0	100.0	95.1	100.0	100.0	100.0	[illegible]	78.4
West Virginia	100.0	100.0	100.0	100.0	99.9	95.3	94.7	94.7	99.0	99.0	99.0	99.0	91.0	[illegible]	95.0
Wyoming	2.3	2.1	1.3	1.4	3.8	3.6	3.8	3.9	4.2	4.2	4.1	5.0	6.0	6.6	6.6
Total U.S.	**11.9**	**11.5**	**12.9**	**12.9**	**13.2**	**13.1**	**12.3**	**12.6**	**12.7**	**13.1**	**14.0**	**14.6**	**14.3**	**13.9**	**14.2**

Data from Oil & Gas Journal Energy Database.
Source: Independent Petroleum Association of America

Worldwide Crude Oil Production
By Country
Thousands of barrels per day

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
United States	**9,658.9**	**9,636.8**	**9,521.7**	**9,215.1**	**8,888.3**	**8,351.6**	**8,094.9**	**8,253.7**	**8,670.2**	**8,578.0**
Canada	**1,305.1**	**1,[illegible]81.9**	**1,541.3**	**1,813.3**	**1,712.8**	**1,456.8**	**1,321.3**	**1,458.9**	**1,343.3**	**1,518.6**
Argentina	384.4	417.3	435.9	424.7	422.6	392.1	388.2	436.2	450.6	482.3
Bolivia	14.2	37.2	40.9	49.8	52.4	39.9	42.9	37.9	34.2	33.8
Brazil	168.3	170.4	165.9	171.9	180.3	181.4	171.9	168.3	163.6	173.4
Chile	36.8	34.9	34.4	33.0	31.2	25.0	25.0	24.3	19.2	24.9
Colombia	235.8	228.3	216.7	206.5	183.4	160.8	149.4	138.3	141.7	135.0
Ecuador*	4.6	4.0	67.0	199.4	166.6	161.3	186.7	180.3	201.9	222.3
Guatemala	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mexico	420.0	433.7	444.0	491.7	566.1	727.3	804.6	996.1	1,206.9	1,496.8
Peru	64.0	62.5	64.2	71.8	76.0	74.2	75.0	88.3	156.3	190.2
Trinidad	147.1	139.2	149.6	172.6	186.0	205.2	205.0	230.8	235.0	211.8
Venezuela*	3,704.1	3,542.9	3,218.6	3,355.3	2,968.3	2,348.3	2,293.4	2,233.3	2,141.8	2,387.0
Latin America	**5,179.3**	**5,070.4**	**4,837.1**	**5,176.6**	**4,832.8**	**4,315.3**	**4,342.1**	**4,533.7**	**4,751.1**	**5,357.4**
Western Hemisphere	**16,143.3**	**16,089.1**	**15,900.0**	**16,205.0**	**15,433.9**	**14,123.6**	**13,758.3**	**14,246.3**	**14,764.6**	**15,454.0**
Austria	51.8	49.1	44.8	49.0	47.1	41.9	36.5	36.0	35.0	35.0
Denmark	NA	NA	NA	4.0	3.8	3.6	3.0	8.8	10.0	10.5
France	48.3	38.8	31.7	0.0	25.0	22.0	20.0	20.1	20.0	20.0
Germany, West	147.2	145.6	138.1	133.2	121.8	114.3	110.0	109.1	100.5	95.1
Greece	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Italy	29.0	24.1	22.0	18.9	19.1	19.8	18.8	19.3	17.0	29.9
Netherlands	38.1	32.9	31.3	29.4	30.1	30.5	30.8	29.8	29.6	29.5
Norway	NA	NA	33.0	33.5	34.7	196.7	278.8	282.5	355.6	403.6
Spain	4.6	2.5	2.5	19.7	34.4	38.8	40.0	25.2	17.9	18.3
Turkey	69.5	66.0	68.0	70.0	65.8	64.2	64.8	62.1	50.0	51.7
United Kingdom	1.9	1.6	1.6	2.2	2.2	20.3	241.1	767.6	1,079.6	1,571.3
Western Europe	**390.4**	**360.5**	**372.9**	**35[illegible].9**	**384.0**	**552.1**	**843.7**	**1,360.4**	**1,715.2**	**2,264.8**
Algeria*	961.3	650.8	1,008.3	1,056.7	926.7	875.0	1,004.2	1,030.8	1,089.8	1,102.1
Angola-Cabinda	103.8	109.6	139.0	162.7	170.9	167.6	131.3	177.5	166.3	139.7
Cameroon	NA	NA	NA	NA	NA	NA	NA	NA	9.4	21.3
Congo	0.5	0.5	5.2	43.2	35.8	38.3	39.8	35.4	33.0	46.3
Egypt	326.2	299.3	216.7	192.9	150.3	232.0	325.5	416.9	483.8	506.7
Gabon*	103.6	110.0	114.7	151.0	175.6	200.0	212.5	224.2	225.0	215.3
Ghana	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ivory Coast	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Libya*	3,321.4	2,763.9	2,215.9	2,187.9	1,542.0	1,498.1	1,913.8	2,047.0	1,983.3	2,059.3
Morocco	1.6	0.9	0.5	1.0	1.2	1.0	1.0	1.0	1.0	1.0
Nigeria*	1,083.7	1,526.3	1,816.9	2,043.7	2,246.2	1,777.8	2,060.3	2,089.5	1,916.3	2,307.0
Tunisia	81.8	85.3	84.5	86.4	85.2	103.5	77.4	102.0	100.0	100.0
Zaire	NA	NA	NA	NA	NA	NA	18.3	24.0	22.9	20.6
Africa	**5,983.8**	**5,546.5**	**5,601.7**	**5,925.5**	**5,333.8**	**4,893.2**	**5,784.2**	**6,148.3**	**6,030.6**	**6,519.3**

Worldwide Crude Oil Production
By Country
Thousands of barrels per day

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Bahrain	78.4	77.1	74.8	72.8	71.8	61.4	58.3	58.0	52.3	50.1
Iran*	3,834.4	4,530.2	4,937.5	5,872.0	6,025.9	5,365.1	5,881.7	5,665.8	5,215.3	3,023.7
Iraq*	1,566.5	1,719.9	1,448.1	1,973.0	1,772.8	2,246.7	2,160.8	2,233.3	2,632.2	3,445.0
Israel	70.4	130.2	120.0	92.5	102.0	75.0	1.0	1.0	11.0	33.8
Kuwait*	2,738.1	2,347.0	3,276.6	3,024.1	2,548.6	2,081.3	1,915.0	1,721.8	1,864.8	2,194.2
Neutral Zone* +	501.3	541.8	+ NA	+ NA	+ NA	+ NA	471.0	365.5	456.9	561.4
Oman	337.2	294.2	287.1	297.7	300.5	341.5	365.6	344.8	314.7	294.8
Qatar*	370.2	428.9	481.9	580.3	518.8	441.4	489.8	439.1	483.1	506.4
Saudi Arabia*	3,551.9	4,526.3	6,012.7	7,598.0	8,477.9	7,074.8	8,345.3	9,025.0	8,062.5	9,245.0
Syria	70.0	113.0	120.0	120.0	143.6	175.4	175.0	206.5	186.4	167.6
United Arab Emirates*	777.9	1,058.3	1,202.3	1,535.9	1,680.7	1,691.3	1,943.9	2,012.3	1,833.1	1,830.4
Middle East	**13,896.2**	**16,366.9**	**17,961.0**	**21,166.3**	**21,642.5**	**19,553.9**	**21,807.3**	**22,073.1**	**21,112.3**	**21,352.3**
Australia	175.6	315.0	341.0	375.0	393.0	416.3	425.9	433.8	430.6	439.8
Brunei	● 148.0	● 200.0	● 292.0	● 322.5	● 339.0	● 287.0	● 361.0	● 414.0	● 454.0	● 499.0
Burma	16.4	17.0	19.0	21.0	18.0	20.0	20.0	24.7	25.0	30.0
India	138.6	145.0	151.0	149.8	164.0	173.5	175.0	207.0	225.8	245.0
Indonesia*	852.9	889.0	1,060.0	1,250.0	1,394.0	1,313.0	1,505.9	1,685.6	1,643.3	1,598.6
Japan	16.3	15.0	15.0	15.0	14.0	13.0	12.0	10.0	10.0	9.3
Malaysia	● NA	● NA	● NA	● NA	● NA	● NA	● NA	● NA	● NA	● NA
New Zealand	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pakistan	9.9	10.0	9.0	9.0	9.0	6.0	6.9	10.0	10.0	10.0
Philippines	NA	NA	NA	NA	NA	NA	NA	NA	NA	21.9
Taiwan	1.8	2.0	2.0	2.0	3.0	5.0	5.0	5.0	5.0	6.3
Thailand	0.4	0.3	0.3	0.2	0.2	NA	NA	NA	NA	NA
Asia-Pacific	**1,359.9**	**1,593.3**	**1,889.3**	**2,144.5**	**2,334.2**	**2,333.8**	**2,511.8**	**2,790.1**	**2,803.7**	**2,859.9**
Eastern Hemisphere	**21,630.3**	**23,867.2**	**25,824.9**	**29,596.2**	**29,694.4**	**27,233.1**	**30,947.0**	**32,371.9**	**31,661.9**	**32,998.3**
Non-Communist	**37,773.8**	**39,956.3**	**41,724.9**	**45,801.2**	**45,128.4**	**41,356.7**	**44,705.3**	**46,618.2**	**46,426.4**	**48,450.3**
China	210.0	326.7	525.8	645.8	970.0	1,450.0	1,652.1	1,790.6	1,916.2	2,129.2
Romania	270.0	270.0	275.4	276.3	285.8	290.0	290.0	284.3	300.0	276.7
USSR	7,048.6	7,435.3	7,850.3	8,417.8	9,164.0	9,823.3	10,359.3	10,926.9	11,416.2	11,706.3
Other Communist	81.3	88.3	85.0	100.4	110.0	110.0	110.0	110.0	190.0	186.7
Communist	**7,609.8**	**8,120.3**	**8,736.5**	**9,440.3**	**10,529.8**	**11,673.3**	**12,411.3**	**13,111.8**	**13,822.4**	**14,298.8**
Total World	**45,383.4**	**48,076.6**	**50,461.4**	**55,241.5**	**55,658.2**	**53,030.0**	**57,116.7**	**59,730.0**	**60,248.8**	**62,749.2**
OPEC*	**23,371.9**	**25,239.3**	**28,860.5**	**30,827.3**	**30,443.9**	**27,073.9**	**30,384.3**	**30,953.3**	**29,749.2**	**30,697.8**

Worldwide Crude Oil Production
By Country
Thousands of barrels per day

	1980	1981	1982	1983	1984	1985	1986	1987
United States	8,584.2	8,580.6	8,656.7	8,674.1	8,721.3	8,919.8	8,680.0	8,311.0
Canada	1,411.7	1,285.5	1,240.9	1,383.9	1,402.7	1,455.8	1,470.0	1,519.0
Argentina	487.1	496.4	484.3	478.9	462.3	448.2	434.0	426.0
Bolivia	30.0	24.7	26.0	20.3	20.3	20.8	18.0	19.0
Brazil	182.1	214.7	256.3	328.0	453.7	546.4	572.0	566.0
Chile	28.7	40.2	43.3	39.3	38.2	33.4	31.0	28.0
Colombia	125.0	125.0	140.0	150.9	165.1	175.5	305.0	385.0
Ecuador*	222.1	211.5	209.2	233.0	258.8	275.7	292.0	174.0
Guatemala	4.6	5.0	5.0	6.4	4.7	3.1	5.0	4.0
Mexico	1,930.3	2,311.8	2,745.8	2,686.8	2,752.8	2,734.0	2,428.0	2,540.0
Peru	191.4	193.5	195.8	170.5	179.8	188.4	178.0	164.0
Trinidad	211.4	240.0	181.0	162.2	165.6	176.4	167.0	157.0
Venezuela*	2,157.2	2,108.6	1,889.0	1,775.8	1,710.3	1,645.8	1,642.0	1,586.0
Latin America	**5,569.8**	**5,971.3**	**6,175.7**	**6,051.9**	**6,211.3**	**6,247.7**	**6,072.0**	**6,049.0**
Western Hemisphere	**15,565.6**	**15,837.3**	**16,073.3**	**16,109.9**	**16,335.3**	**16,623.3**	**16,222.0**	**15,879.0**
Austria	29.0	25.0	25.0	24.0	23.1	21.8	22.0	21.0
Denmark	6.5	15.3	35.3	43.3	45.4	58.9	73.0	93.0
France	25.9	34.0	33.5	35.0	35.0	50.8	59.0	64.0
Germany, West	89.9	85.4	82.2	80.9	80.1	81.4	79.0	74.0
Greece	NA	NA	21.0	23.8	26.3	26.2	25.0	23.0
Italy	39.0	36.8	36.8	45.0	45.0	38.0	49.0	58.0
Netherlands	25.1	26.6	27.8	49.8	60.6	66.8	92.0	90.0
Norway	528.6	502.0	490.5	610.0	692.0	783.3	847.0	999.0
Spain	30.0	24.0	30.0	58.0	47.0	45.3	37.0	32.0
Turkey	43.5	46.7	50.0	43.9	40.9	41.6	47.0	51.0
United Kingdom	1,619.5	1,811.2	2,061.2	2,284.7	2,501.1	2,533.1	2,540.0	2,448.0
Western Europe	**2,437.0**	**2,606.9**	**2,893.2**	**3,298.3**	**3,596.5**	**3,747.2**	**3,870.0**	**3,953.0**
Algeria*	1,016.7	812.5	774.6	685.0	608.3	647.1	623.0	649.0
Angola-Cabinda	150.0	132.0	121.9	172.3	188.8	229.5	282.0	359.0
Cameroon	57.8	88.8	109.0	114.1	116.2	133.8	177.0	174.0
Congo	55.8	81.5	87.0	87.0	140.5	97.9	119.0	120.0
Egypt	596.4	598.3	667.5	726.6	759.9	891.6	813.0	899.0
Gabon*	180.0	150.8	140.8	148.3	150.0	152.5	159.0	156.0
Ghana	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0
Ivory Coast	NA	5.2	5.8	22.8	24.5	28.0	20.0	17.0
Libya*	1,785.4	1,107.5	1,200.0	1,018.3	1,091.7	1,047.5	1,031.0	1,090.0
Morocco	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0
Nigeria*	2,057.5	1,436.7	1,289.7	1,233.8	1,418.8	1,481.7	1,465.0	1,242.0
Tunisia	110.0	118.0	120.0	120.0	120.0	117.6	107.0	104.0
Zaire	20.5	19.5	22.0	24.0	25.1	27.2	31.0	31.0
Africa	**6,033.2**	**4,553.8**	**4,541.3**	**4,355.1**	**4,646.7**	**4,857.3**	**4,828.0**	**4,841.0**

Worldwide Crude Oil Production
By Country
Thousands of barrels per day

	1980	1981	1982	1983	1984	1985	1986	1987
Bahrain	48.3	45.5	43.9	41.3	41.2	41.8	44.0	42.0
Iran*	1,470.8	1,333.3	1,991.7	2,466.7	2,175.0	2,241.7	1,848.0	2,309.0
Iraq*	2,641.7	916.3	916.7	883.3	1,208.3	1,447.5	1,690.0	2,170.0
Israel	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Kuwait*	1,384.0	940.0	666.7	887.5	945.8	862.5	1,244.0	1,122.0
Neutral Zone* +	540.3	372.3	304.7	391.2	425.5	352.5	343.0	387.0
Oman	279.1	319.3	321.5	373.7	405.2	482.2	542.0	557.0
Qatar*	471.7	405.7	331.0	283.2	397.4	298.8	332.0	282.0
Saudi Arabia*	9,638.3	9,641.7	6,375.0	4,850.0	4,466.7	3,283.3	4,837.0	4,027.0
Syria	165.0	167.7	160.0	166.4	166.0	177.5	194.0	232.0
United Arab Emirates*	1,708.8	1,513.0	1,229.8	1,109.2	1,151.2	1,141.7	1,330.0	1,421.0
Middle East	**18,349.0**	**15,855.6**	**12,341.9**	**11,453.4**	**11,383.3**	**10,330.4**	**12,405.0**	**12,550.0**
Australia	376.9	392.6	371.8	416.4	489.8	561.9	513.0	550.0
Brunei	228.0	165.0	153.0	155.0	160.0	154.2	167.0	139.0
Burma	30.0	30.0	30.0	30.0	30.0	30.0	24.0	13.0
India	181.1	291.0	390.3	430.0	528.3	605.4	621.0	609.0
Indonesia*	1,575.9	1,603.8	1,344.8	1,301.1	1,360.8	1,242.3	1,238.0	1,186.0
Japan	9.8	7.7	8.0	8.3	8.1	10.6	13.0	12.0
Malaysia	287.9	264.2	306.3	366.3	425.0	440.4	503.0	485.0
New Zealand	7.1	9.6	14.8	14.8	16.8	18.8	29.0	28.0
Pakistan	10.0	10.0	12.0	12.3	17.4	34.0	41.0	42.0
Philippines	14.5	2.0	6.2	12.9	12.0	10.8	6.0	6.0
Taiwan	4.5	3.0	3.0	3.0	3.0	2.4	2.0	2.0
Thailand	NA	NA	NA	6.3	18.1	34.3	35.0	32.0
Asia-Pacific	**2,725.8**	**2,778.8**	**2,840.1**	**2,756.3**	**3,069.3**	**3,145.0**	**3,192.0**	**3,110.0**
Eastern Hemisphere	**29,544.9**	**25,595.1**	**22,416.4**	**21,835.9**	**22,895.8**	**22,079.8**	**24,295.0**	**24,454.0**
Non-Communist	**45,110.5**	**41,432.4**	**38,489.8**	**37,945.8**	**39,031.1**	**38,703.2**	**40,517.0**	**40,333.0**
China	2,118.8	2,012.5	2,020.0	2,101.6	2,262.2	2,449.7	2,620.0	2,700.0
Romania	250.0	230.0	230.3	242.5	254.2	234.3	220.0	215.0
USSR	12,009.2	12,174.2	12,235.2	12,328.8	12,234.5	11,904.3	12,300.0	12,480.0
Other Communist	189.2	179.2	150.0	215.0	235.3	234.5	207.0	226.0
Communist	**14,587.1**	**14,595.8**	**14,635.5**	**14,887.9**	**14,996.1**	**14,822.8**	**15,347.0**	**15,621.0**
Total World	**59,677.6**	**56,028.3**	**53,125.3**	**52,833.8**	**54,027.2**	**53,525.9**	**55,864.0**	**55,954.0**
OPEC*	**26,850.4**	**22,553.5**	**18,883.4**	**17,266.3**	**17,368.5**	**18,120.4**	**18,074.0**	**17,801.0**

* OPEC Member
+ Production shared equally by Kuwait and Saudi Arabia. For years 1972-1975 production included with Kuwait and Saudi Arabia.
@ Brunei includes Malaysia for 1970-1979.

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Worldwide Crude Oil Production
OPEC, Non-Communist, Total
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1970													
OPEC	22,413	23,307	22,759	23,046	23,210	22,650	22,414	23,682	23,629	24,175	24,556	24,622	**23,371.9**
Non-Communist	36,538	37,506	36,911	37,183	37,260	36,635	36,470	38,151	38,395	38,943	39,643	39,650	**37,773.8**
Total World	43,898	44,946	44,368	44,654	44,814	44,252	44,118	45,823	46,255	46,643	47,411	47,421	**45,383.4**
1971													
OPEC	25,560	25,307	25,635	25,556	26,047	24,708	24,755	24,078	24,745	24,571	25,646	26,264	**25,239.3**
Non-Communist	40,698	40,335	40,604	40,299	40,712	39,528	39,618	38,720	39,462	39,077	40,105	40,319	**39,956.3**
Total World	48,516	48,200	48,540	48,237	48,666	47,433	47,688	46,649	47,900	47,555	48,572	48,965	**48,076.6**
1972													
OPEC	26,757	26,336	25,765	26,123	25,711	24,616	24,828	27,668	28,031	28,516	28,937	29,039	**26,860.5**
Non-Communist	41,376	41,180	40,577	40,847	40,359	39,232	39,644	42,806	42,893	43,602	43,959	44,225	**41,724.9**
Total World	49,862	49,738	49,181	49,489	49,057	47,947	48,413	51,575	51,803	52,418	52,859	53,196	**50,461.4**
1973													
OPEC	30,094	30,304	30,470	30,374	31,601	30,785	32,500	31,834	32,833	31,524	28,607	29,001	**30,827.3**
Non-Communist	45,310	45,362	45,537	45,419	46,622	45,966	47,587	46,900	47,809	46,182	43,243	43,679	**45,801.2**
Total World	54,352	54,435	54,645	54,580	55,891	55,317	57,051	56,369	57,487	55,956	53,088	53,729	**55,241.5**
1974													
OPEC	30,452	30,788	31,346	31,896	32,061	31,613	30,533	29,367	29,629	29,364	29,555	28,723	**30,443.9**
Non-Communist	45,266	45,636	46,253	46,626	46,773	46,283	45,214	43,993	44,240	44,023	43,913	43,[illegible]20	**45,128.4**
Total World	55,464	55,724	56,451	56,904	57,200	56,781	55,721	54,335	54,933	54,992	54,954	54,439	**55,658.2**
1975													
OPEC	27,088	25,951	25,930	25,731	26,052	26,770	27,856	29,131	30,600	25,165	27,102	27,511	**27,073.9**
Non-Communist	41,599	40,341	40,119	39,680	39,978	41,136	42,367	43,491	44,912	39,503	41,346	41,808	**41,356.7**
Total World	52,789	51,635	51,497	51,065	51,403	52,642	54,113	55,331	56,938	51,542	53,421	53,984	**53,030.0**
1976													
OPEC	26,646	28,126	29,500	28,769	28,663	29,953	30,282	30,612	31,360	32,903	33,454	34,343	**30,384.3**
Non-Communist	40,859	42,140	43,319	42,608	42,765	44,353	44,700	45,024	45,792	47,443	47,996	49,465	**44,705.3**
Total World	52,941	54,210	55,511	54,854	55,059	56,842	57,088	57,482	58,305	60,143	60,706	62,259	**57,116.7**
1977													
OPEC	29,079	32,318	32,614	31,919	29,861	30,513	29,653	29,964	31,026	30,557	31,369	32,567	**30,953.3**
Non-Communist	44,204	47,638	47,994	47,029	45,196	46,112	45,032	45,887	47,024	46,644	47,608	49,050	**46,618.2**
Total World	57,025	60,481	61,004	60,036	58,230	59,188	58,146	59,026	60,179	59,990	60,985	62,470	**59,730.0**
1978													
OPEC	27,324	28,550	28,800	29,501	28,228	29,298	29,225	29,868	31,899	32,026	31,774	30,497	**29,749.2**
Non-Communist	43,409	44,733	45,111	45,785	44,863	46,162	45,884	46,616	48,552	48,945	49,031	48,026	**46,426.4**
Total World	56,854	58,258	58,660	59,490	58,580	59,912	59,718	60,501	62,526	63,085	63,221	62,181	**60,248.8**
1979													
OPEC	28,822	28,992	30,223	31,070	31,102	31,038	31,714	31,336	31,053	31,096	31,219	30,708	**30,697.8**
Non-Communist	45,820	46,453	47,628	48,693	48,743	48,907	49,642	49,160	48,998	49,080	49,285	48,995	**48,450.3**
Total World	60,060	60,643	61,818	63,013	62,683	63,087	63,855	63,508	63,242	63,588	63,848	63,645	**62,749.2**

Worldwide Crude Oil Production
OPEC, Non-Communist, Total
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual average
1980													
OPEC	29,671	29,915	28,832	27,804	27,174	27,489	27,028	26,838	25,469	23,009	24,029	24,947	**26,850.4**
Non-Communist	47,915	48,238	47,276	46,071	45,486	45,521	45,177	45,091	43,649	41,308	42,144	43,450	**45,110.5**
Total World	62,315	62,634	61,716	60,561	60,036	60,011	59,847	59,808	58,406	56,003	56,759	58,035	**59,677.6**
1981													
OPEC	24,602	24,784	25,043	24,004	23,308	22,632	21,552	21,095	20,581	21,060	20,499	21,482	**22,553.5**
Non-Communist	43,310	43,581	44,146	43,194	42,320	41,645	40,227	39,612	39,573	39,975	39,323	40,283	**41,432.4**
Total World	57,890	58,161	58,776	57,774	56,910	56,240	54,827	54,264	54,170	54,543	53,933	54,851	**56,028.3**
1982													
OPEC	21,078	19,658	18,017	16,536	17,062	18,779	18,524	18,237	18,262	19,382	19,742	18,684	**18,663.4**
Non-Communist	40,172	39,206	37,338	36,036	36,825	38,634	38,359	38,198	38,255	39,588	40,202	39,064	**38,489.8**
Total World	54,722	53,756	51,988	50,696	51,485	53,344	53,014	52,900	52,858	54,468	54,082	54,190	**53,125.3**
1983													
OPEC	16,444	14,237	14,398	15,396	17,288	17,361	18,674	18,422	19,021	18,518	18,799	18,637	**17,266.3**
Non-Communist	36,892	34,379	34,600	35,781	37,816	38,064	39,501	39,161	39,922	39,354	39,986	39,894	**37,945.8**
Total World	51,837	49,333	49,557	50,714	52,726	53,031	54,421	54,104	54,889	54,072	54,750	54,571	**52,833.8**
1984													
OPEC	18,157	17,847	18,411	17,909	17,349	18,518	17,382	16,292	16,420	16,476	16,916	16,745	**17,368.5**
Non-Communist	39,425	39,373	39,699	38,961	38,924	40,063	39,154	37,577	38,087	38,566	39,260	39,284	**39,031.1**
Total World	54,265	54,365	54,777	54,059	54,022	55,185	54,158	52,588	53,043	53,519	54,175	54,170	**54,027.2**
1985													
OPEC	15,720	17,042	17,034	16,531	15,099	14,048	14,640	14,750	15,530	17,180	17,750	18,121	**16,120.4**
Non-Communist	38,181	39,497	39,685	39,223	37,837	35,893	36,981	37,078	38,260	40,123	40,734	40,946	**38,703.2**
Total World	52,972	54,288	54,484	54,022	52,721	50,508	51,737	51,881	53,118	55,020	55,655	55,905	**53,525.9**
1986													
OPEC	16,747	17,687	17,531	17,893	18,457	19,165	20,441	21,028	16,607	16,624	17,232	17,455	**18,072.3**
Non-Communist	39,653	40,073	39,952	39,684	40,804	41,422	42,929	43,681	38,908	38,934	39,696	39,838	**40,464.5**
Total World	54,612	55,093	55,076	54,828	56,025	56,673	58,231	59,054	54,305	54,355	55,296	55,431	**55,748.3**
1987													
OPEC	16,548	15,628	15,090	16,053	16,946	17,789	18,883	20,590	18,992	19,366	18,837	18,345	**17,755.6**
Non-Communist	39,232	38,007	37,440	38,527	39,503	39,479	41,456	42,847	41,469	42,094	41,752	41,181	**40,248.9**
Total World	54,730	53,477	53,033	54,049	55,288	54,958	57,005	58,397	57,021	57,644	57,303	56,810	**55,809.6**

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Worldwide Producing Oil Wells

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Argentina	4,095	4,095	5,450	5,697	6,020	6,424	6,822	6,822	6,822	7,874	8,189	8,581	8,389
Bolivia	281	204	251	283	286	180	292	296	300	260	352	346	296
Brazil	1,247	1,338	1,371	1,441	1,522	1,605	1,615	1,952	2,115	2,115	3,386	3,514	4,880
Canada	21,202	18,573	25,055	26,112	25,800	18,323	20,721	33,404	33,907	36,388	39,146	43,480	35,246
Chile	316	446	441	436	425	431	380	305	266	266	266	266	347
Colombia	2,078	1,895	2,036	2,118	1,980	2,111	2,123	2,123	2,123	2,307	2,509	2,709	2,770
Ecuador *	843	959	950	969	973	472	477	470	887	523	NA	816	922
Mexico	3,301	3,285	3,382	3,419	4,145	4,200	3,384	3,593	3,605	3,640	NA	3,209	3,768
Peru	2,422	2,417	2,477	2,495	2,567	2,766	2,782	1,949	2,780	3,329	4,083	3,572	3,438
Trinidad & Tobago	3,020	2,595	2,968	3,083	3,284	3,323	3,349	3,488	3,142	3,089	3,145	3,157	3,211
United States	504,000	494,352	507,935	508,561	508,340	508,000	526,855	587,000	608,900	636,900	615,500	642,000	636,475
Venezuela *	12,450	10,718	10,720	11,932	11,909	12,486	5,042	13,610	14,029	11,604	13,512	10,103	9,797
Other	8	8	13	15	20	32	37	35	44	47	81	104	143
Western Hemisphere	**555,263**	**540,885**	**563,049**	**558,581**	**587,277**	**580,353**	**573,879**	**655,047**	**678,920**	**708,342**	**690,169**	**721,857**	**709,882**
Austria	1,271	1,291	1,222	1,219	1,250	1,254	1,120	1,164	1,229	1,240	1,243	1,605	1,177
France	295	274	287	288	293	293	296	374	432	470	550	601	583
Germany (West)	2,699	2,699	2,827	2,933	2,933	2,945	2,957	3,004	3,077	3,142	3,136	3,152	3,129
Italy	111	117	126	125	120	121	116	123	125	140	140	195	239
Netherlands	347	368	392	393	416	473	480	516	533	623	633	644	550
Norway	6	24	29	36	50	50	100	117	131	144	171	178	202
Spain	24	25	25	24	25	27	31	31	36	41	42	43	48
Turkey	313	354	361	368	380	402	414	418	386	427	440	449	564
United Kingdom	57	77	90	135	109	240	290	361	379	387	535	627	710
Other	6	6	11	13	18	18	11	18	36	41	32	15	56
Western Europe	**5,129**	**5,235**	**5,370**	**5,534**	**5,594**	**5,823**	**5,815**	**6,126**	**6,364**	**6,655**	**6,922**	**7,509**	**7,258**
Abu Dhabi *	160	216	209	232	240	250	341	277	352	222	254	254	517
Bahrain	211	202	223	235	233	233	242	243	243	243	257	271	279
Dubai *	45	54	60	66	71	79	79	87	141	165	141	152	150
Iran *	369	425	428	518	551	547	547	530	530	530	530	361	361
Iraq *	156	156	170	200	250	250	250	280	280	290	290	NA	615
Israel	25	15	23	23	25	16	9	16	31	16	10	9	9
Jordan	0	0	0	0	0	0	0	0	0	0	0	0	10
Kuwait *	692	692	596	586	586	590	590	546	530	530	530	572	363
Neutral Zone *	449	449	476	459	455	423	412	450	445	450	464	493	491
North Yemen	0	0	0	0	0	0	0	0	0	0	0	0	45
Oman	61	208	235	238	100	254	269	363	416	477	555	641	789
Qatar *	81	88	77	77	95	95	124	128	125	125	174	174	174
Ras Al Khaymah	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2	4	6
Saudi Arabia *	670	711	701	754	875	725	733	782	555	555	555	NA	588
Sharjah *	3	3	3	3	4	4	4	5	4	12	18	19	20
Syria	123	346	345	402	442	513	179	179	601	601	802	847	963
Middle East	**3,045**	**3,565**	**3,546**	**3,793**	**3,927**	**3,979**	**3,779**	**3,886**	**4,253**	**4,216**	**4,582**	**3,797**	**5,380**

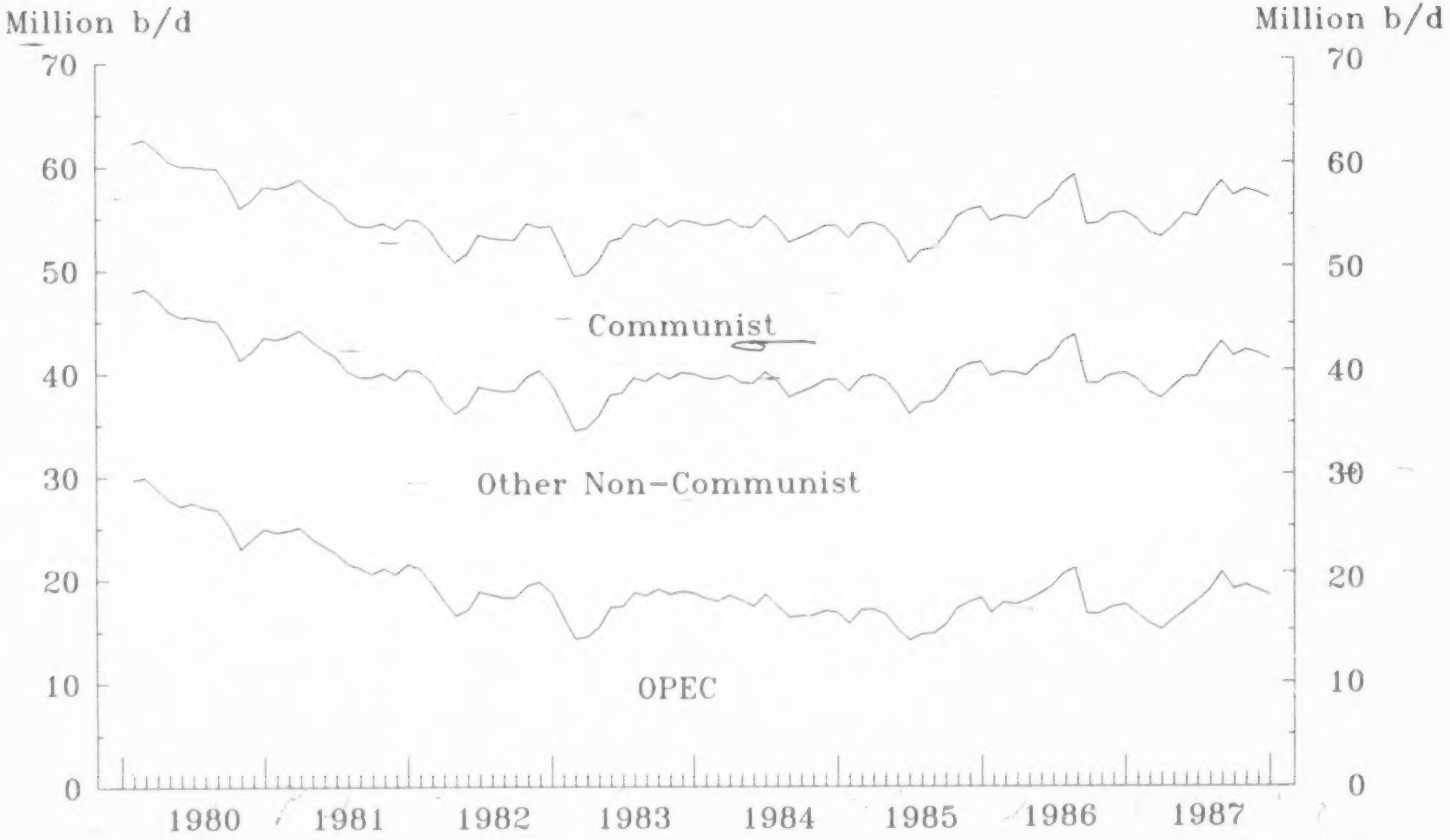
Worldwide Producing Oil Wells

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Algeria *	826	984	826	801	983	970	1,000	1,050	1,085	1,090	1,090	NA	840
Angola-Cabinda	181	183	171	157	182	176	188	190	205	254	291	298	381
Cameroon	NA	NA	NA	NA	13	29	49	81	95	166	166	173	176
Congo	52	49	86	97	107	113	119	153	179	251	246	272	286
Egypt	437	319	376	401	430	432	484	450	411	500	617	658	724
Gabon *	137	184	212	240	211	218	242	250	266	270	270	297	295
Libya *	979	851	877	797	817	896	886	889	891	905	905	671	661
Nigeria *	1,088	1,052	1,259	1,374	1,322	1,457	1,451	1,491	1,312	1,296	1,177	1,153	1,253
Tunisia	55	60	56	73	76	63	87	92	91	91	131	140	150
Other	22	17	21	16	13	18	16	26	30	37	44	46	128
Africa	**3,777**	**3,699**	**3,884**	**3,956**	**4,160**	**4,372**	**4,522**	**4,672**	**4,565**	**4,860**	**4,937**	**3,708**	**4,894**
Australia	373	361	378	359	375	370	403	399	435	509	545	746	869
Brunei	+ 519	436	487	527	558	592	578	571	578	649	649	629	609
Burma	595	595	385	407	429	445	445	445	445	445	445	445	450
China, Taiwan	60	80	82	70	66	80	82	77	85	86	78	84	90
India	1,500	1,545	1,548	1,600	1,600	1,600	1,600	1,600	1,560	1,560	1,560	2,201	2,670
Indonesia *	2,710	3,018	3,162	3,421	3,644	3,823	3,700	4,077	4,341	4,840	4,840	5,378	5,774
Japan	1,044	1,009	464	448	542	507	388	382	397	370	348	256	387
Malaysia	NA	68	87	121	154	227	230	217	265	316	368	370	452
New Zealand	4	3	9	9	10	17	16	16	14	16	27	28	38
Pakistan	16	13	15	17	17	18	19	53	32	38	38	51	44
Thailand	25	13	13	12	12	0	0	0	26	45	84	184	167
Other	15	15	15	15	NA	5	4	6	6	11	10	9	20
Asia-Pacific	**6,861**	**7,156**	**6,645**	**7,006**	**7,407**	**7,684**	**7,465**	**7,843**	**8,184**	**8,885**	**8,992**	**10,381**	**11,570**
Total Non-Communist	**574,075**	**560,540**	**582,494**	**576,850**	**588,385**	**582,211**	**595,460**	**677,574**	**702,286**	**732,958**	**715,602**	**747,252**	**738,784**

* Member of the Organization of Petroleum Exporting Countries (OPEC).
+ Brunei includes Malaysia for 1974.

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Worldwide Crude Oil Production



Source: OGJ

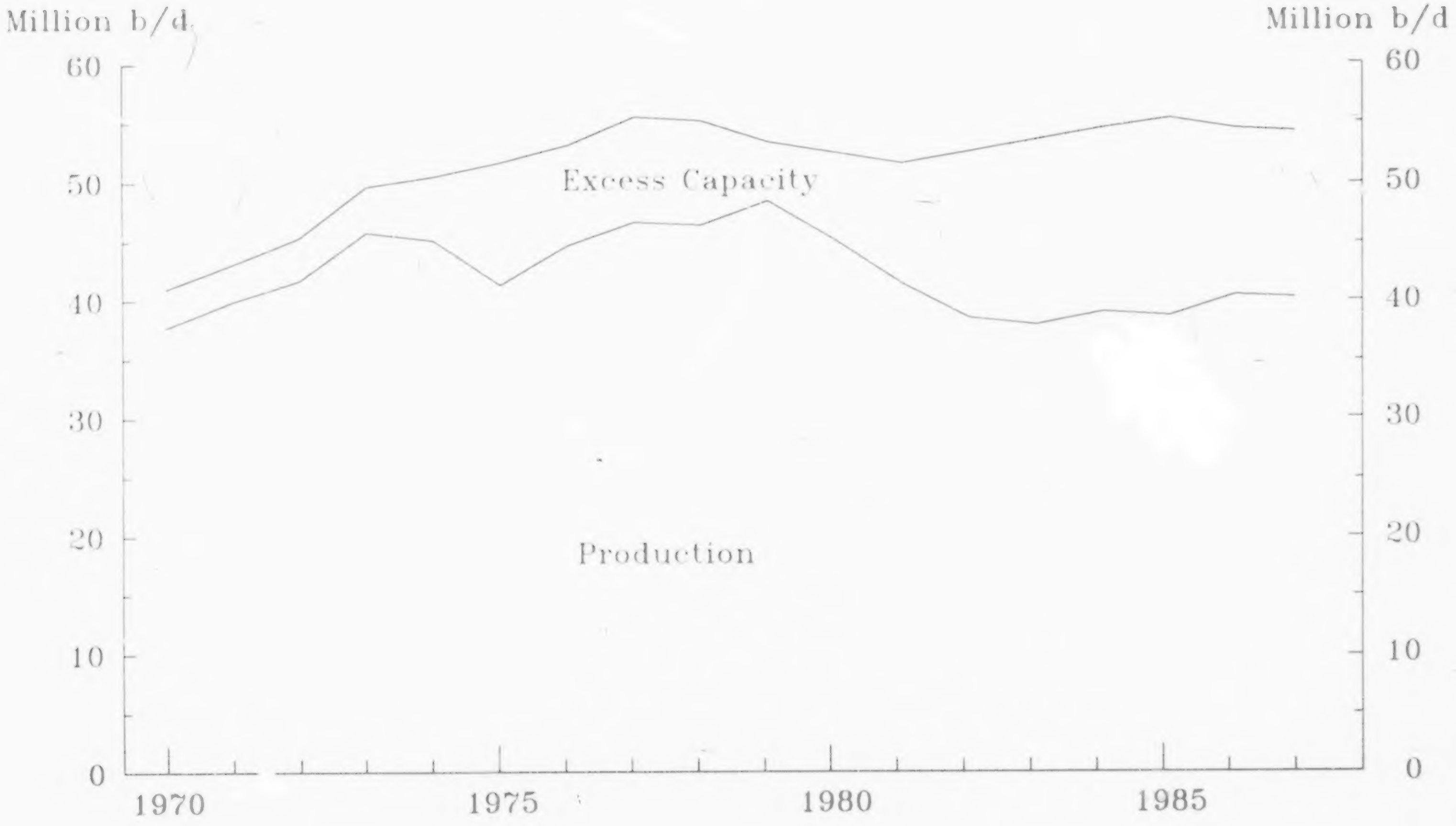
Maximum Sustainable Productive Capacity*
OPEC Nations by Country
Thousands of barrels per day

	1983	1984	1985	1986	1987
Algeria	900	900	900	900	900
Ecuador	225	225	285	285	330
Gabon	150	150	150	150	200
Indonesia	1,650	1,650	1,650	1,650	1,500
Iran	5,500	5,500	5,500	5,500	3,000
Iraq	3,500	3,500	3,500	3,500	2,500
Kuwait	2,500	2,500	2,000	2,000	2,200
Libya	2,100	2,100	2,100	2,100	1,600
Neutral Zone	600	600	600	600	600
Nigeria	2,200	2,200	2,200	2,200	1,700
Qatar	600	600	600	600	600
Saudi Arabia	10,000	10,000	10,000	10,000	8,300
United Arab Emirates	2,415	2,415	2,415	2,415	2,000
Abu Dhabi	2,035	2,035	2,035	2,035	1,600
Dubai	370	370	370	370	390
Sharjah	10	10	10	10	10
Venezuela	2,400	2,500	2,500	2,500	2,400
Total OPEC	**34,740**	**34,840**	**34,400**	**34,400**	**27,830**

*·Maximum production rate which could be sustained for one year.

Data from Oil & Gas Journal Energy Database.
Source: Central Intelligence Agency

Total Non-Communist Excess Productive Capacity



Source: OGJ

Estimated Installed Productive Capacity
OPEC, Non-OPEC, Non-Communist
Thousands of barrels per day

	OPEC	Non-OPEC	Total Non-Communist
1961	10,150	10,050	20,200
1962	11,350	10,450	21,800
1963	12,450	10,850	23,300
1964	14,050	11,050	25,100
1965	15,500	11,400	26,900
1966	17,050	12,150	29,200
1967	18,200	13,150	31,350
1968	20,300	14,200	34,500
1969	22,600	14,650	37,250
1970	25,300	15,700	41,000
1971	27,400	15,750	43,150
1972	29,300	16,050	45,350
1973	33,500	16,150	49,650
1974	34,800	15,750	50,550
1975	36,100	15,600	51,700
1976	37,400	15,750	53,150
1977	38,700	16,850	55,550
1978	36,480	18,700	55,180
1979	34,260	19,150	53,410
1980	32,730	19,800	52,530
1981	31,200	20,400	51,600
1982	31,200	21,400	52,600
1983	31,200	22,400	53,600
1984	31,000	23,600	54,600
1985	30,000	24,400	54,400
1986	30,000	24,550	54,550
1987	29,500	24,800	54,300

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Notes

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Total U.S. Crude Oil Reserves
Thousands of barrels

	Net Adjustments	Revision Increase	Revision Decrease	Total Revisions & Adjustments	Extensions to Old Reservoirs	New Field Discoveries	New Reservoirs in Old Fields	Total Discoveries	Total Discoveries, Revisions, Adjustments	Production	Reserves at Yearend
1946	NA	NA	NA	1,254,075	1,158,923	NA	244,434	1,403,357	2,658,062	1,726,348	**20,873,580**
1947	NA	NA	NA	749,278	1,269,862	NA	445,430	1,715,292	2,464,570	1,850,445	**21,487,680**
1948	NA	NA	NA	1,958,853	1,439,873	269,438	127,043	1,836,354	3,795,207	2,002,448	**23,280,440**
1949	NA	NA	NA	603,566	1,693,862	544,319	346,098	2,584,279	3,187,845	1,818,800	**24,649,490**
1950	NA	NA	NA	663,378	1,334,391	407,739	157,177	1,899,307	2,562,685	1,943,776	**25,268,400**
1951	NA	NA	NA	1,776,110	2,248,588	205,959	183,297	2,637,844	4,413,954	2,214,321	**27,468,030**
1952	NA	NA	NA	743,729	1,509,131	280,066	216,362	1,810,859	2,749,288	2,256,765	**27,960,550**
1953	NA	NA	NA	1,264,832	1,439,618	344,053	247,627	2,031,298	3,296,130	2,311,856	**28,944,830**
1954	NA	NA	NA	537,788	1,749,443	307,625	278,181	2,335,249	2,873,037	2,257,119	**29,560,750**
1955	NA	NA	NA	696,114	1,697,653	219,824	257,133	2,174,610	2,870,724	2,419,300	**30,012,170**
1956	NA	NA	NA	804,803	1,702,311	234,727	232,495	2,169,533	2,974,336	2,551,857	**30,434,650**
1957	NA	NA	NA	465,421	1,543,182	207,437	208,760	1,959,379	2,424,800	2,559,044	**30,300,400**
1958	NA	NA	NA	954,605	1,338,908	151,210	163,519	1,653,637	2,608,242	2,372,730	**30,535,920**
1959	NA	NA	NA	1,518,678	1,778,705	165,695	203,667	2,148,067	3,666,745	2,483,315	**31,719,350**
1960	NA	NA	NA	787,934	1,323,538	141,296	112,560	1,577,394	2,365,328	2,471,464	**31,613,210**
1961	NA	NA	NA	1,087,092	1,209,101	107,423	253,951	1,570,475	2,657,567	2,512,273	**31,758,500**
1962	NA	NA	NA	759,053	1,041,257	92,488	288,098	1,421,843	2,180,896	2,550,178	**31,389,220**
1963	NA	NA	NA	966,051	858,168	96,732	253,159	1,208,059	2,174,110	2,593,343	**30,969,990**
1964	NA	NA	NA	899,292	1,419,182	126,682	219,611	1,765,475	2,664,767	2,644,247	**30,990,510**
1965	NA	NA	NA	1,783,231	792,901	237,335	234,612	1,264,848	3,018,079	2,686,198	**31,352,390**
1966	NA	NA	NA	1,839,307	814,249	160,384	150,038	1,124,671	2,963,978	2,864,242	**31,452,130**
1967	NA	NA	NA	1,900,969	716,467	125,105	219,581	1,061,153	2,962,122	3,037,579	**31,376,670**
1968	NA	NA	NA	1,320,109	776,780	166,291	191,455	1,134,526	2,454,635	3,124,188	**30,707,120**
1969	NA	NA	NA	1,258,142	614,710	96,435	150,749	861,894	2,120,036	3,195,291	**29,631,860**
1970	NA	NA	NA	2,088,927	631,354	*9,852,512	116,125	10,599,990	12,688,920	3,319,445	**39,001,330**
1971	NA	NA	NA	1,600,426	560,596	91,469	65,241	717,306	2,317,732	3,256,110	**38,062,960**
1972	NA	NA	NA	820,107	459,311	123,210	155,220	737,741	1,557,848	3,281,397	**36,339,410**
1973	NA	NA	NA	1,551,777	390,141	116,097	87,816	594,054	2,145,831	3,185,400	**35,299,840**
1974	NA	NA	NA	1,310,929	368,918	226,163	87,563	682,644	1,993,573	3,043,456	**34,249,960**
1975	NA	NA	NA	677,271	340,128	173,177	127,887	641,192	1,318,463	2,886,292	**32,682,130**
1976	NA	NA	NA	488,659	466,279	67,842	62,511	596,632	1,085,291	2,825,252	**30,942,170**
1977	NA	NA	NA	769,678	365,007	159,950	109,145	634,102	1,403,780	2,859,544	**29,486,400**
1978	NA	NA	NA	707,190	366,589	199,994	73,483	640,066	1,347,256	3,029,898	**27,803,760**
+1979	NA	NA	NA	1,490,618	368,082	239,406	107,567	715,055	2,205,673	2,958,144	**27,051,290**

Total U.S. Crude Oil Reserves
Thousands of barrels

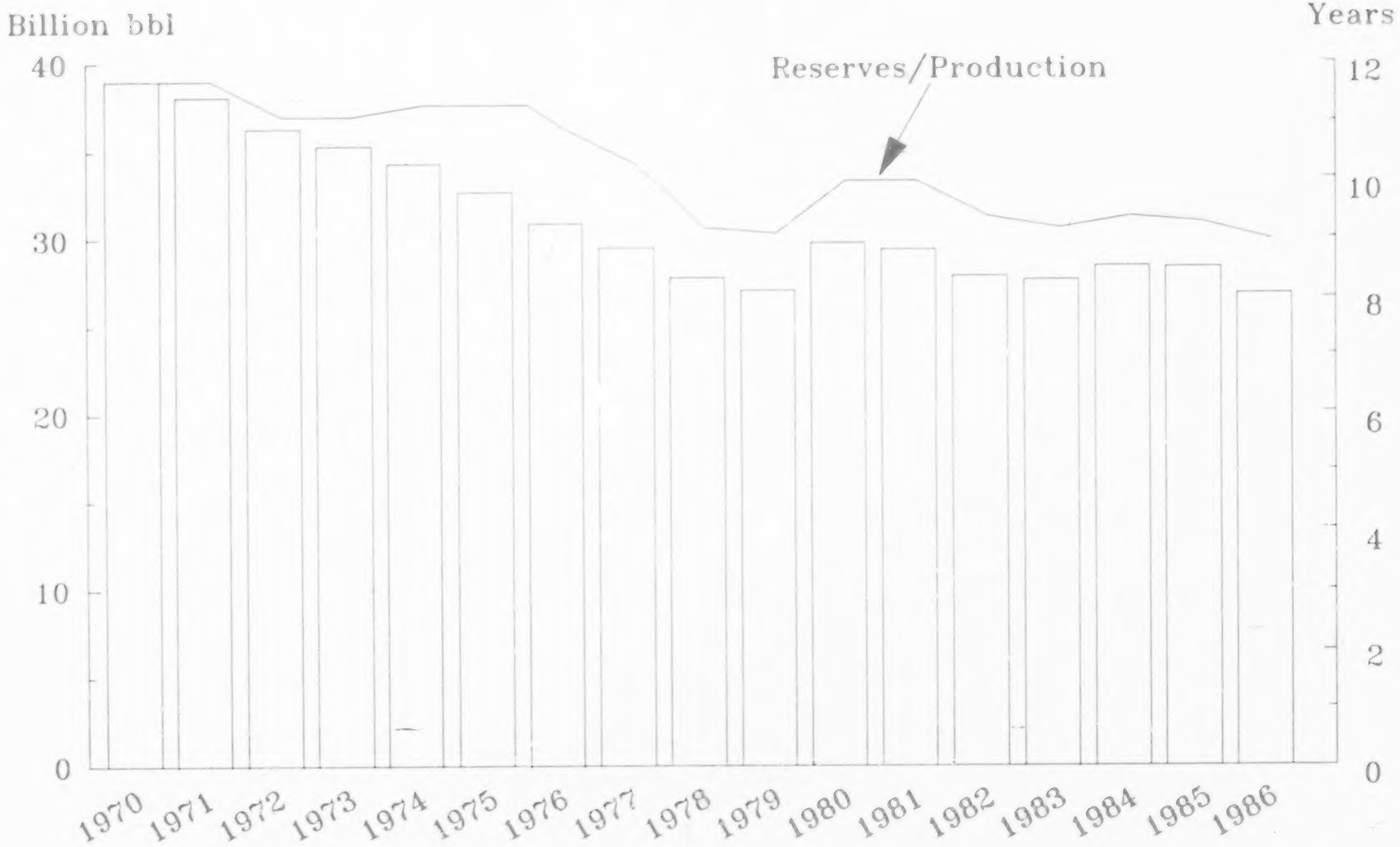
	Net Adjustments	Revision Increase	Revision Decrease	Total Revisions & Adjustments	Extensions to Old Reservoirs	New Field Discoveries	New Reservoirs in Old Fields	Total Discoveries	Total Discoveries, Revisions, Adjustments	Production	Reserves at Yearend
+1980	219,000	2,883,000	994,000	2,108,000	572,000	147,000	143,000	862,000	2,970,000	2,975,000	**29,805,000**
1981	138,000	2,151,000	880,000	1,409,000	750,000	157,000	254,000	1,161,000	2,570,000	2,949,000	**29,426,000**
1982	53,000	2,245,000	1,811,000	351,000	634,000	193,000	204,000	1,031,000	1,382,000	2,950,000	**27,858,000**
1983	462,000	2,810,000	1,299,000	1,973,000	629,000	105,000	190,000	924,000	2,897,000	3,020,000	**27,735,000**
1984	159,000	3,672,000	1,227,000	2,604,000	744,000	242,000	158,000	1,144,000	3,748,000	3,037,000	**28,446,000**
1985	429,000	3,037,000	1,439,000	2,027,000	742,000	84,000	169,000	995,000	3,022,000	3,052,000	**28,416,000**
1986	57,000	2,724,000	1,869,000	912,000	405,000	48,000	81,000	534,000	1,446,000	2,973,000	**26,889,000**

* Prudhoe Bay was added to reserves in 1970.
+ API data ends in 1979; EIA data begins in 1980. Some discontinuity exists.

Data from Oil & Gas Journal Energy Database.
Source: American Petroleum Institute, Energy Information Administration

Reserves and Reserves/Production Ratio

U.S. Crude Oil



Source: API, AGA, EIA

U.S. Crude Oil Reserves
By State
Thousands of barrels

	1967	1968	1969	1970	1971	1972	1973
Alabama	78,813	72,730	67,126	65,262	61,478	56,734	53,603
Alaska	380,833	373,185	432,300	10,148,824	10,116,195	10,096,282	10,112,213
Arkansas	176,429	159,283	127,346	129,577	117,648	113,100	105,552
California*	4,369,370	4,340,749	4,242,730	3,983,986	3,705,750	3,553,735	3,488,100
Coastal Region*	526,089	579,575	649,172	608,386	543,772	513,322	536,284
Los Angeles Basin*	1,861,975	1,777,719	1,640,520	1,465,607	1,344,017	1,282,048	1,197,868
San Joaquin	1,981,306	1,983,455	1,953,038	1,909,993	1,817,961	1,758,365	1,753,948
Colorado	339,852	420,473	400,604	389,048	332,773	326,411	304,790
Florida	NA	NA	NA	74,781	204,122	208,149	183,859
Illinois	335,508	313,780	272,115	228,680	208,763	174,883	152,343
Indiana	47,158	40,247	41,307	37,009	30,855	29,383	26,622
Kansas	625,121	600,842	566,013	539,305	501,552	453,394	401,089
Kentucky	94,337	79,477	73,103	61,377	52,548	48,193	39,980
Louisiana*	5,455,946	5,608,156	5,689,150	5,710,320	5,399,000	5,028,478	4,576,826
North	393,038	360,595	333,184	311,727	306,918	281,451	252,388
South*	5,062,908	5,247,561	5,355,966	5,398,593	5,092,082	4,747,027	4,324,438
Michigan	62,535	55,262	51,517	45,615	58,765	62,002	72,444
Mississippi	356,686	325,649	360,198	354,741	342,368	312,458	291,049
Montana	307,972	345,117	275,765	241,529	228,185	241,248	219,343
Nebraska	63,163	55,328	46,835	40,943	36,124	30,553	28,166
New Mexico	925,816	864,684	839,927	760,921	656,885	582,593	642,994
East	888,061	833,983	811,297	738,382	634,324	558,347	619,134
West	37,755	30,701	28,630	22,539	22,561	24,246	23,860
North Dakota	290,272	287,366	234,504	192,377	174,011	166,033	179,520
Ohio	114,211	132,270	127,367	127,912	129,144	127,385	124,911
Oklahoma	1,458,948	1,394,653	1,389,983	1,351,353	1,404,608	1,303,004	1,270,964
Pennsylvania	63,289	59,188	54,740	51,286	47,052	37,345	39,613
South Dakota	NA	NA	NA	NA	NA	NA	NA
Tennessee	NA	NA	NA	NA	NA	NA	NA
Texas*	14,494,109	13,809,906	13,063,182	13,195,476	13,023,529	12,144,057	11,756,613
District 1	159,435	149,873	157,166	153,325	157,078	147,324	144,149
District 2*	966,419	910,201	886,483	844,961	785,638	636,768	677,125
District 3*	2,045,281	1,935,865	1,834,428	1,686,995	1,638,611	1,536,426	1,489,428
District 4*	691,578	639,195	563,865	528,403	415,664	343,752	304,422
District 5	155,030	148,560	134,866	128,102	118,305	98,963	126,462
District 6	2,764,640	2,679,932	2,590,282	2,497,771	2,359,624	2,208,438	2,049,248
District 7B	263,884	240,742	242,444	238,803	209,473	235,962	235,870
District 7C	382,133	361,183	348,353	298,519	251,304	239,270	204,996
District 8	3,629,496	3,393,831	3,168,582	3,106,879	3,528,991	3,402,358	3,205,538
District 8A	2,728,129	2,725,493	2,566,178	3,130,328	3,002,588	2,793,503	2,785,308
District 9	432,614	366,246	335,567	363,458	356,007	324,018	363,708
District 10	275,470	258,785	234,968	217,932	200,246	177,275	170,359
Utah	201,046	180,039	195,290	181,512	165,806	244,397	264,512
West Virginia	56,217	53,568	53481	53,221	51,731	34,040	32,126
Wyoming	1,043,519	1,101,288	996,550	1,017,359	996,985	949,779	916,763
Others	20,942	20,831	18,938	8,371	7,308	6,526	7,556
Total U.S.	**31,376,670**	**30,707,117**	**29,631,862**	**39,001,332**	**38,062,956**	**36,339,408**	**35,299,836**

U.S. Crude Oil Reserves
By State
Thousands of barrels

	1974	1975	1976	1977	1978	1979
Alabama	68,718	61,032	53,341	44,174	33,107	28,342
Alaska	10,094,099	10,037,262	9,785,675	9,616,111	9,247,356	8,923,975
Arkansas	106,336	95,662	93,439	86,111	94,038	107,230
California*	3,557,036	3,647,537	3,589,937	3,631,851	3,471,301	3,644,686
Coastal Region*	627,221	637,615	600,231	634,038	601,756	645,984
Los Angeles Basin*	1,113,260	1,137,708	1,056,125	949,304	879,222	912,940
San Joaquin	1,816,555	1,872,214	1,933,581	2,048,509	1,990,323	2,085,852
Colorado	289,333	276,066	251,783	241,910	198,012	152,060
Florida	302,709	262,539	249,560	208,749	169,361	122,710
Illinois	159,789	160,986	155,318	149,959	137,927	132,908
Indiana	24,351	22,029	22,256	25,783	26,515	25,495
Kansas	395,107	364,394	361,570	359,434	350,367	344,778
Kentucky	36,572	39,306	38,188	35,336	31,833	30,739
Louisiana	4,226,514	3,827,187	3,470,628	3,113,409	2,893,401	2,555,121
North	273,948	253,911	236,927	215,955	208,742	182,955
South*	3,952,566	3,573,276	3,233,701	2,897,454	2,684,659	2,372,166
Michigan	82,299	93,312	138,788	133,228	190,164	176,305
Mississippi	261,408	231,158	214,196	202,632	187,587	168,881
Montana	207,389	163,968	152,670	151,601	140,466	136,590
Nebraska	26,779	28,372	31,307	31,010	29,291	30,117
New Mexico	624,968	588,110	535,519	490,508	485,640	461,713
East	597,761	563,295	514,121	471,728	468,814	446,540
West	27,207	24,815	21,398	18,780	16,826	15,173
North Dakota	172,794	158,245	149,629	150,191	161,213	175,195
Ohio	123,871	121,263	125,268	129,148	131,194	137,718
Oklahoma	1,232,377	1,239,687	1,186,553	1,121,430	1,073,469	1,005,332
Pennsylvania	50,414	48,028	50,563	49,334	48,156	50,846
South Dakota	2,161	1,855	1,504	2,291	2,738	2,947
Tennessee	1,618	1,508	1,910	2,536	2,483	2,605
Texas*	11,001,506	10,080,035	9,226,250	8,467,436	7,689,991	7,636,084
District 1	133,389	126,457	138,510	119,477	110,258	96,943
District 2*	622,886	563,204	502,109	435,915	382,189	352,623
District 3*	1,352,103	1,244,579	1,025,889	895,862	745,558	669,185
District 4*	237,192	193,370	158,803	144,681	122,586	117,220
District 5	110,892	91,267	77,310	63,354	54,323	45,092
District 6	1,913,658	1,773,893	1,743,103	1,620,354	1,512,934	1,267,227
District 7B	250,387	227,772	204,514	201,244	188,922	169,269
District 7C	199,587	185,234	183,120	173,681	166,334	165,646
District 8	3,064,516	2,922,387	2,710,058	2,560,106	2,389,899	2,272,401
District 8A	2,578,203	2,292,651	2,067,714	1,894,063	1,694,063	2,116,928
District 9	369,822	304,510	268,445	226,056	187,714	211,858
District 10	168,871	154,711	146,675	132,643	135,211	151,692
Utah	250,648	208,318	183,176	182,147	155,371	144,342
West Virginia	32,210	31,418	30,009	28,686	29,675	27,922
Wyoming	903,360	877,385	827,769	815,578	804,567	808,765
Others	8,471	5,441	6,192	6,720	9,535	8,242
Total U.S.	**34,249,956**	**32,682,126**	**30,942,166**	**29,486,402**	**27,803,780**	**27,051,288**

* Includes adjacent offshore state and federal waters.

Data from Oil & Gas Journal Energy Database
Source: American Petroleum Institute, American Gas Association

U.S. Crude Oil Reserves
By State
Thousands of barrels

	1978	1979	1980	1981	1982	1983	1984
Alabama	74,000	45,000	54,000	—55,000	54,000	51,000	68,000
Alaska	9,384,000	8,875,000	8,751,000	8,283,000	7,406,000	7,307,000	7,563,000
Arkansas	111,000	107,000	107,000	113,000	107,000	120,000	114,000
California	4,974,000	5,265,000	5,470,000	5,441,000	5,405,000	5,348,000	5,707,000
Coastal Region Land*	602,000	578,000	652,000	621,000	580,000	559,000	628,000
Los Angeles Basin Land*	493,000	513,000	454,000	412,000	370,000	343,000	373,000
San Joaquin Land	3,099,000	3,294,000	3,360,000	3,225,000	3,081,000	3,032,000	3,197,000
State and Federal Offshore	780,000	880,000	1,004,000	1,183,000	1,374,000	1,414,000	1,509,000
Colorado	194,000	159,000	183,000	147,000	169,000	186,000	198,000
Florida	168,000	128,000	134,000	109,000	97,000	78,000	82,000
Illinois	158,000	136,000	113,000	129,000	150,000	135,000	153,000
Indiana	29,000	40,000	23,000	23,000	28,000	34,000	33,000
Kansas	303,000	377,000	310,000	371,000	378,000	344,000	377,000
Kentucky	40,000	25,000	35,000	29,000	36,000	35,000	41,000
Louisiana	3,448,000	2,780,000	2,751,000	2,985,000	2,728,000	2,707,000	2,661,000
North	255,000	216,000	248,000	317,000	240,000	223,000	165,000
South Land*	1,242,000	682,000	682,000	642,000	611,000	569,000	585,000
State and Federal Offshore	1,951,000	1,882,000	1,642,000	1,864,000	1,877,000	1,915,000	1,911,000
Michigan	220,000	159,000	205,000	240,000	184,000	209,000	180,000
Mississippi	250,000	238,000	202,000	209,000	223,000	205,000	201,000
Montana	158,000	152,000	179,000	186,000	216,000	234,000	224,000
Nebraska	30,000	25,000	46,000	41,000	32,000	44,000	46,000
New Mexico	579,000	563,000	547,000	555,000	563,000	576,000	660,000
East	554,000	542,000	518,000	522,000	537,000	542,000	625,000
West	25,000	21,000	29,000	33,000	26,000	34,000	35,000
North Dakota	162,000	211,000	214,000	223,000	237,000	258,000	260,000
Ohio	69,000	82,000	116,000	112,000	111,000	130,000	116,000
Oklahoma	979,000	1,014,000	930,000	950,000	971,000	931,000	940,000
Pennsylvania	27,000	33,000	35,000	32,000	37,000	41,000	40,000
Texas	8,911,000	8,284,000	8,206,000	8,093,000	7,616,000	7,539,000	7,557,000
District 1	111,000	110,000	150,000	127,000	129,000	165,000	173,000
District 2*	334,000	292,000	252,000	229,000	206,000	192,000	192,000
District 3*	794,000	630,000	581,000	552,000	509,000	517,000	522,000
District 4*	123,000	113,000	96,000	97,000	87,000	96,000	99,000
District 5	68,000	55,000	52,000	49,000	45,000	42,000	36,000
District 6	1,444,000	1,177,000	1,115,000	1,040,000	947,000	918,000	889,000
District 7B	190,000	208,000	196,000	254,000	199,000	217,000	218,000
District 7C	202,000	206,000	207,000	230,000	229,000	228,000	240,000
District 8	2,795,000	2,686,000	2,597,000	2,503,000	2,312,000	2,350,000	2,342,000
District 8A	2,439,000	2,371,000	2,504,000	2,538,000	2,481,000	2,366,000	2,413,000
District 9	190,000	200,000	218,000	225,000	219,000	220,000	214,000
District 10	90,000	97,000	89,000	107,000	112,000	105,000	108,000
State and Federal Offshore	131,000	139,000	149,000	142,000	141,000	123,000	111,000
Utah	188,000	201,000	198,000	190,000	173,000	187,000	172,000
West Virginia	30,000	48,000	30,000	30,000	48,000	49,000	76,000
Wyoming	845,000	841,000	928,000	840,000	856,000	957,000	954,000
Others	24,000	22,000	38,000	40,000	33,000	30,000	23,000
Total U.S.	**31,355,000**	**29,810,000**	**29,805,000**	**29,426,000**	**27,858,000**	**27,735,000**	**28,446,000**

U.S. Crude Oil Reserves
By State
Thousands of barrels

	1985	1986
Alabama	69,000	55,000
Alaska	7,056,000	6,875,000
Arkansas	97,000	88,000
California	4,810,000	4,734,000
Coastal Region Land*	631,000	592,000
Los Angeles Basin Land*	420,000	330,000
San Joaquin Land	3,258,000	3,270,000
State Offshore	501,000	542,000
Colorado	198,000	207,000
Florida	77,000	67,000
Illinois	136,000	135,000
Indiana	35,000	32,000
Kansas	423,000	312,000
Kentucky	42,000	31,000
Louisiana	883,000	826,000
North	196,000	160,000
South Land*	565,000	547,000
State Offshore	122,000	119,000
Michigan	191,000	146,000
Mississippi	184,000	199,000
Montana	232,000	248,000
Nebraska	42,000	45,000
New Mexico	688,000	644,000
East	643,000	593,000
West	45,000	51,000
North Dakota	255,000	218,000
Ohio	79,000	72,000
Oklahoma	935,000	874,000
Pennsylvania	38,000	26,000
Texas	7,782,000	7,152,000
District 1	177,000	144,000
District 2*	168,000	148,000
District 3*	471,000	420,000
District 4*	98,000	87,000
District 5	59,000	53,000
District 6	851,000	750,000
District 7B	239,000	193,000
District 7C	243,000	213,000
District 8	2,333,000	2,183,000
District 8A	2,711,000	2,618,000
District 9	285,000	237,000
District 10	140,000	104,000
State Offshore	7,000	2,000
Utah	276,000	269,000
West Virginia	40,000	37,000
Wyoming	951,000	849,000
Federal Offshore	2,862,000	2,715,000
Pacific Coast	991,000	974,000
Gulf of Mexico	1,871,000	1,741,000
Others	35,000	33,000
Total U.S.	**28,416,000**	**26,889,000**

* Excludes adjacent offshore state and federal waters which were included in the previous data series on reserves from API/AGA.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Total U.S. Natural Gas Liquids Reserves
Thousands of barrels

	Net Adjustment	Revision Increase	Revision Decrease	Total Revisions & Adjustments	Extensions to Old Reservoirs	New Field Discoveries	New Reservoirs in Old Fields	Total Discoveries	Total Discoveries, Revisions, Adjustments	Production	Reserves at Yearend
1966	NA	NA	NA	634,233	131,583	53,378	74,922	259,883	894,116	588,684	**8,328,966**
1967	NA	NA	NA	671,112	159,725	57,272	41,649	258,646	929,758	644,493	**8,614,231**
1968	NA	NA	NA	469,689	155,940	26,642	33,388	215,970	685,659	701,782	**8,598,108**
1969	NA	NA	NA	106,192	106,815	26,831	41,190	174,836	281,028	735,962	**8,143,174**
1970	NA	NA	NA	35,446	103,740	34,234	134,159	272,133	307,579	747,812	**7,702,941**
1971	NA	NA	NA	135,144	93,909	28,513	90,154	212,576	347,720	746,434	**7,304,227**
1972	NA	NA	NA	38,796	112,537	32,652	54,288	249,487	238,273	755,941	**6,786,559**
1973	NA	NA	NA	231,460	121,835	19,202	36,482	177,519	408,979	740,831	**6,454,707**
1974	NA	NA	NA	393,484	149,996	36,095	40,266	226,357	619,841	724,099	**6,350,449**
1975	NA	NA	NA	345,496	116,810	128,036	28,162	273,008	618,504	701,123	**6,267,830**
1976	NA	NA	NA	614,356	158,572	20,460	41,378	220,410	834,766	700,629	**6,401,967**
1977	NA	NA	NA	78,043	152,535	24,950	35,643	213,128	291,171	698,773	**5,994,365**
1978	NA	NA	NA	365,813	153,181	31,427	45,245	229,853	595,666	664,179	**5,925,852**
*1979	NA	NA	NA	141,727	166,769	38,437	42,872	248,078	389,805	660,334	**5,655,323**
*1980	153,000	743,000	639,000	257,000	418,000	90,000	79,000	587,000	844,000	731,000	**6,728,000**
1981	231,000	729,000	643,000	317,000	542,000	131,000	91,000	764,000	1,081,000	741,000	**7,068,000**
1982	299,000	811,000	832,000	278,000	375,000	112,000	109,000	596,000	874,000	721,000	**7,221,000**
1983	849,000	847,000	781,000	915,000	321,000	70,000	99,000	490,000	1,405,000	725,000	**7,901,000**
1984	(123,000)	866,000	724,000	19,000	348,000	55,000	96,000	499,000	518,000	776,000	**7,643,000**
1985	426,000	906,000	744,000	588,000	337,000	44,000	85,000	466,000	1,054,000	753,000	**7,944,000**
1986	367,000	1,030,000	807,000	590,000	263,000	34,000	72,000	369,000	959,000	738,000	**8,165,000**

* API data ends in 1979; EIA data begins in 1980. Some discontinuity exists.

Data from Oil & Gas Journal Energy Database.
Source: American Petroleum Institute, Energy Information Administration

U.S. Natural Gas Liquids Reserves
By State
Thousands of barrels

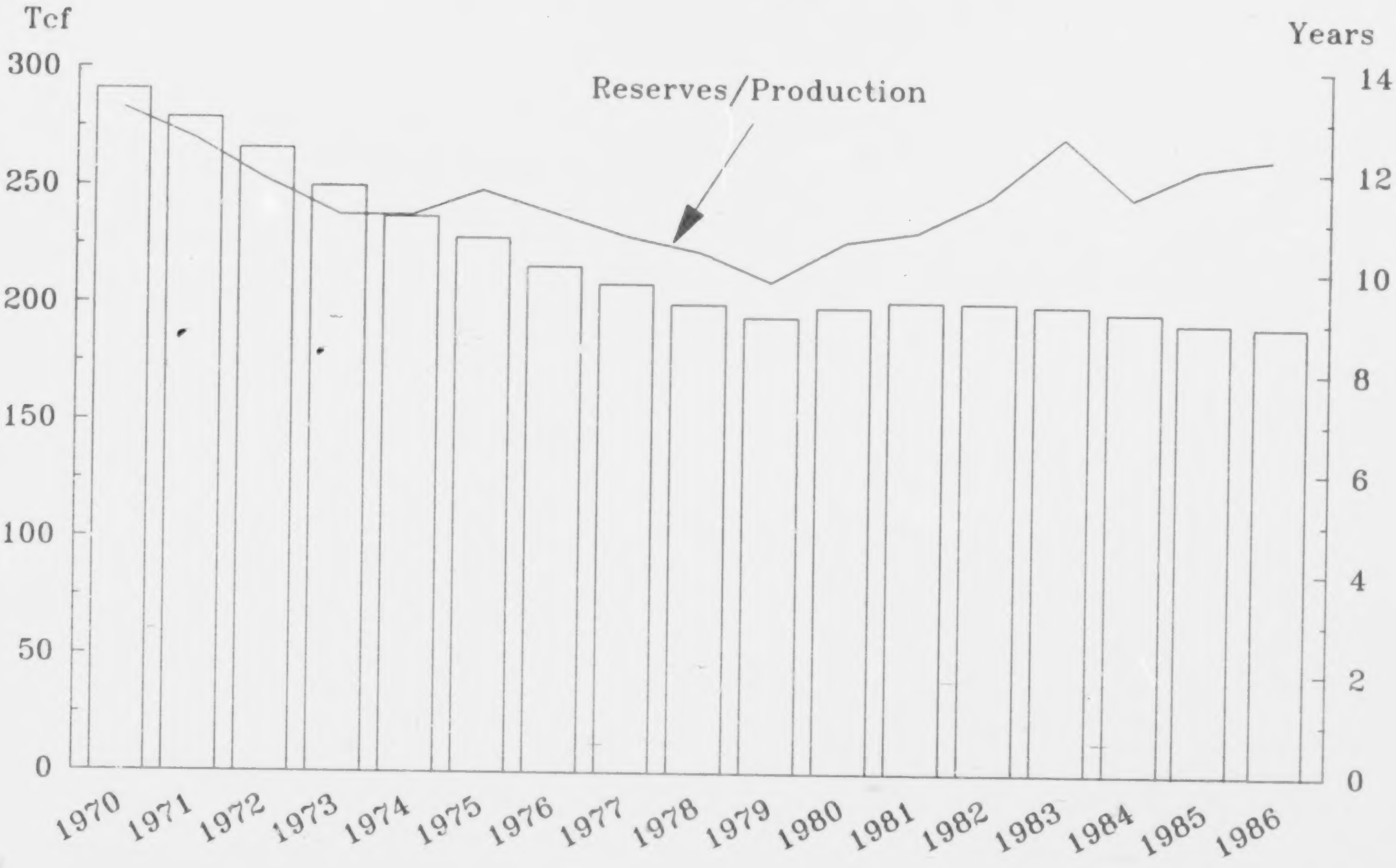
	1979	1980	1981	1982	1983	1984	1985	1986
Alabama	213,000	226,000	192,000	193,000	216,000	200,000	182,000	177,000
Alaska	23,000	11,000	10,000	9,000	8,000	19,000	383,000	381,000
Arkansas	17,000	16,000	16,000	15,000	11,000	12,000	11,000	16,000
California+	111,000	120,000	82,000	154,000	151,000	141,000	146,000	134,000
Central Region Land	22,000	23,000	14,000	16,000	17,000	15,000	16,000	15,000
Los Angeles Basin Land	10,000	15,000	6,000	6,000	6,000	5,000	6,000	8,000
San Joaquin Land	77,000	81,000	57,000	124,000	117,000	105,000	120,000	109,000
State and Federal Offshore+	2,000	1,000	5,000	8,000	11,000	16,000	4,000	2,000
Colorado	177,000	194,000	204,000	186,000	183,000	155,000	173,000	148,000
Florida	21,000	27,000	NA	17,000	11,000	17,000	17,000	14,000
Kansas	402,000	389,000	409,000	302,000	443,000	424,000	373,000	440,000
Kentucky	26,000	25,000	25,000	35,000	31,000	24,000	27,000	29,000
Louisiana+	1,424,000	1,346,000	1,327,000	1,295,000	1,332,000	1,188,000	546,000	524,000
North	96,000	95,000	99,000	85,000	74,000	57,000	65,000	57,000
South Land	676,000	540,000	544,000	501,000	527,000	454,000	442,000	428,000
State and Federal Offshore+	652,000	711,000	684,000	709,000	731,000	677,000	39,000	39,000
Michigan	112,000	112,000	102,000	97,000	105,000	84,000	67,000	88,000
Mississippi	16,000	20,000	18,000	18,000	19,000	15,000	12,000	11,000
Montana	10,000	16,000	11,000	18,000	19,000	18,000	21,000	16,000
New Mexico	530,000	541,000	560,000	531,000	551,000	511,000	445,000	577,000
East	209,000	209,000	214,000	209,000	232,000	221,000	209,000	217,000
West	321,000	332,000	346,000	322,000	319,000	290,000	236,000	360,000
North Dakota	47,000	61,000	68,000	71,000	69,000	73,000	74,000	69,000
Oklahoma	583,000	604,000	631,000	745,000	829,000	769,000	826,000	857,000
Pennsylvania	1,000	* NA	* NA	* NA	* NA	* NA	* NA	* NA
Texas+	2,482,000	2,452,000	2,646,000	2,771,000	3,038,000	3,048,000	2,901,000	2,964,000
District 1	23,000	24,000	26,000	29,000	43,000	39,000	40,000	35,000
District 2	64,000	64,000	88,000	75,000	99,000	103,000	100,000	89,000
District 3	231,000	216,000	230,000	265,000	285,000	270,000	260,000	237,000
District 4	248,000	252,000	260,000	289,000	292,000	295,000	269,000	281,000
District 5	34,000	44,000	49,000	53,000	73,000	74,000	77,000	86,000
District 6	272,000	321,000	308,000	278,000	342,000	298,000	293,000	277,000
District 7B	64,000	85,000	102,000	105,000	133,000	106,000	104,000	109,000
District 7C	182,000	135,000	186,000	199,000	219,000	233,000	256,000	246,000
District 8	505,000	498,000	537,000	588,000	681,000	691,000	665,000	717,000
District 8A	351,000	290,000	335,000	296,000	262,000	282,000	283,000	331,000
District 9	79,000	92,000	86,000	119,000	121,000	119,000	111,000	119,000
District 10	375,000	369,000	364,000	391,000	413,000	440,000	433,000	428,000
State and Federal Offshore+	54,000	62,000	75,000	84,000	75,000	98,000	10,000	9,000
Utah	59,000	127,000	277,000	NA	NA	NA	NA	NA
West Virginia	74,000	97,000	85,000	79,000	91,000	80,000	86,000	950,000
Wyoming @	285,000	341,000	384,000	681,000	789,000	860,000	949,000	87,000
Federal Offshore	NA	NA	NA	NA	NA	NA	702,000	681,000
Pacific Coast	NA	NA	NA	NA	NA	NA	12,000	15,000
Gulf of Mexico	NA	NA	NA	NA	NA	NA	690,000	666,000
Other	2,000	3,000	21,000	4,000	5,000	5,000	3,000	2,000
Total U.S.	**6,615,000**	**6,728,000**	**7,068,000**	**7,221,000**	**7,901,000**	**7,643,000**	**7,944,000**	**8,165,000**

* Included in other.
+ Beginning in 1985, includes state offshore only. Federal offshore reported separately below.
@ Includes Utah beginning in 1982.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Reserves and Reserves/Production Ratio

U.S. Natural Gas



Source: API, AGA, EIA

Total U.S. Natural Gas Reserves
Millions of cubic feet

	Net Adjustments	Revision Increases	Revision Decreases	Total Revisions & Adjustments	Extensions to Old Reservoirs	New Field Discoveries	New Reservoirs Old Fields	Total Discoveries	Total Revisions, Discoveries, Adjustments	Production	Reserves at Yearend
1966	NA	NA	NA	4,937,962	9,224,745	2,947,329	3,110,396	15,282,470	20,220,430	17,491,070	**289,332,800**
1967	NA	NA	NA	6,570,578	9,538,584	3,170,520	2,524,651	15,233,760	21,804,330	18,380,840	**292,907,700**
1968	NA	NA	NA	3,016,146	7,758,821	1,376,429	1,545,612	10,680,860	13,697,010	19,373,430	**287,349,800**
1969	NA	NA	NA	-1,238,261	5,800,489	1,769,557	2,043,219	9,613,265	8,375,004	20,723,190	**275,108,800**
1970	NA	NA	NA	-99,721	6,158,168	27,770,220	3,367,689	37,296,080	37,196,360	21,960,800	**290,746,400**
1971	NA	NA	NA	-1,227,400	6,374,706	1,317,574	3,360,541	11,052,820	9,825,421	22,076,510	**278,805,800**
1972	NA	NA	NA	-1,077,791	6,153,683	1,462,539	3,096,132	10,712,350	9,634,563	22,511,900	**266,084,800**
1973	NA	NA	NA	-3,474,756	6,177,286	2,152,151	1,970,368	10,299,810	6,825,049	22,605,410	**249,950,200**
1974	NA	NA	NA	-1,333,285	5,847,251	2,013,745	2,151,473	10,012,470	8,679,184	21,318,470	**237,132,500**
1975	NA	NA	NA	383,449	6,027,433	2,423,382	1,649,424	10,100,240	10,483,690	19,718,570	**228,200,200**
1976	NA	NA	NA	-1,197,119	5,337,707	1,421,013	1,993,867	8,752,587	7,555,468	19,542,020	**216,026,100**
1977	NA	NA	NA	983,551	6,601,229	2,114,505	2,152,639	10,868,370	11,851,920	19,447,050	**208,877,900**
1978	NA	NA	NA	118,436	6,733,441	1,719,938	2,014,329	10,467,710	10,586,140	19,311,050	**200,301,700**
*1979	NA	NA	NA	2,907,551	7,113,113	2,575,779	1,689,504	11,378,400	14,285,950	19,910,350	**194,916,600**
*1980	1,201,000	16,972,000	15,923,000	2,250,000	9,357,000	2,539,000	2,577,000	14,473,000	16,723,000	18,699,000	**199,021,000**
1981	1,627,000	16,412,000	13,813,000	4,226,000	10,491,000	3,731,000	2,998,000	17,220,000	21,446,000	18,737,000	**201,730,000**
1982	2,378,000	19,795,000	19,340,000	2,833,000	8,349,000	2,687,000	3,419,000	14,455,000	17,288,000	17,506,000	**201,512,000**
1983	3,090,000	17,602,000	17,617,000	3,075,000	6,909,000	1,574,000	2,965,000	11,448,000	14,523,000	15,788,000	**200,247,000**
1984	-2,241,000	17,841,000	14,712,000	888,000	8,299,000	2,536,000	2,686,000	13,521,000	14,409,000	17,193,000	**197,463,000**
1985	-1,708,000	18,775,000	16,304,000	763,000	7,169,000	999,000	2,960,000	11,128,000	11,891,000	15,985,000	**193,369,000**
1986	1,320,000	21,269,000	17,697,000	4,892,000	6,065,000	1,099,000	1,771,000	8,935,000	13,827,000	15,610,000	**191,586,000**

* API data ends 1979; EIA data begins 1980. Some discontinuity exists.

Data from Oil & Gas Journal Energy Database.
Source: American Petrolum Institute, Energy Information Administration

U.S. Natural Gas Reserves
By State
Millions of Cubic Feet

	1967	1968	1969	1970	1971	1972	1973
Alabama	NA	NA	56,724	162,009	180,508	245,714	327,375
Alaska	3,635,254	5,252,324	5,202,143	31,130,750	31,365,341	31,455,443	31,642,626
Arkansas	2,811,251	2,715,065	2,632,773	2,580,674	2,430,115	2,455,877	2,269,353
California*	7,723,797	7,316,329	6,870,946	6,299,759	5,729,499	5,328,862	5,199,837
Coastal Region*	1,088,824	1,019,859	986,460	966,222	832,743	761,580	684,922
Los Angeles Basin*	913,790	835,102	764,662	654,471	560,624	493,340	439,008
San Joaquin Basin	5,721,183	5,461,368	5,119,824	4,679,066	4,336,132	4,073,942	4,075,907
Colorado	1,769,263	1,660,103	1,596,286	1,628,846	1,818,323	1,655,200	1,868,299
Florida	NA	NA	NA	NA	178,659	180,629	148,914
Illinois	258,604	297,908	337,812	415,414	498,953	545,361	380,525
Indiana	74,781	75,458	77,561	82,674	86,678	87,324	66,682
Kansas	15,283,657	14,511,173	14,125,125	13,325,091	12,535,198	11,938,716	11,722,395
Kentucky	953,983	923,289	920,520	977,842	956,292	938,082	864,921
Louisiana*	86,290,009	88,015,624	85,056,639	82,956,688	78,625,854	74,971,334	69,151,608
North	4,866,490	4,622,735	4,287,202	3,863,479	3,657,209	3,320,328	2,976,133
South*	81,423,519	83,392,889	80,769,432	79,093,208	74,968,645	71,651,006	66,175,480
Michigan	760,912	757,426	750,964	939,671	1,016,482	1,296,815	1,548,508
Mississippi	1,597,007	1,434,078	1,410,898	1,333,905	1,117,432	1,104,336	1,178,218
Montana	837,718	911,533	1,110,208	1,099,923	1,024,561	1,064,036	1,092,449
Nebraska	63,792	56,768	56,594	58,168	59,433	50,260	48,816
New Mexico	15,092,465	15,143,204	14,281,503	13,290,023	13,067,954	12,335,647	12,488,363
East	5,061,776	5,588,844	5,206,938	4,640,020	4,499,921	4,174,773	4,502,977
West	10,030,689	9,554,360	9,074,565	8,650,003	8,568,033	8,160,874	7,985,386
New York	121,086	124,087	120,540	125,961	139,092	139,184	136,842
North Dakota	882,132	866,810	648,564	567,354	503,683	441,625	448,184
Ohio	762,731	783,875	809,293	993,458	1,068,372	1,146,677	1,179,391
Oklahoma	19,403,806	18,368,265	17,593,196	16,954,266	15,712,818	14,492,030	14,098,735
Pennsylvania	1,392,170	1,344,996	1,303,907	1,377,502	1,395,931	1,406,948	1,494,381
Texas*	125,415,064	119,001,106	112,392,622	106,352,993	101,472,104	95,042,043	84,936,502
District 1	2,429,936	2,245,944	2,127,201	1,954,567	1,843,711	1,620,405	1,473,201
District 2*	11,739,786	10,774,613	10,445,403	10,060,030	9,811,922	9,496,136	8,449,920
District 3*	26,946,816	25,529,462	23,751,987	22,813,726	22,115,227	20,696,874	18,526,171
District 4*	32,905,785	32,370,346	31,215,625	29,287,231	27,073,438	24,334,110	19,416,215
District 5	1,451,981	1,347,687	1,428,567	1,393,484	1,260,652	1,171,395	1,149,781
District 6	6,519,607	6,339,422	5,997,201	5,830,740	5,736,503	5,710,441	5,432,193
District 7B	747,870	774,066	786,257	752,131	627,582	663,560	652,076
District 7C	3,894,530	3,917,013	3,766,150	3,602,966	3,074,154	2,581,980	2,430,873
District 8	19,458,263	18,438,065	17,217,339	16,104,203	15,887,502	15,481,337	14,796,454
District 8A	3,454,504	3,245,675	3,001,185	2,596,621	2,533,463	2,366,951	2,121,505
District 9	2,695,677	2,243,361	1,925,141	1,864,447	1,683,171	1,559,594	1,502,193
District 10	13,170,309	11,775,452	10,730,566	10,092,846	9,824,783	9,359,260	8,985,920
Utah	1,226,517	1,156,556	1,090,768	1,065,160	981,954	1,022,110	1,024,723
Virginia	37,798	34,341	31,438	32,511	31,075	35,921	37,273
West Virginia	2,579,986	2,585,581	2,447,324	2,436,378	2,411,784	2,345,957	2,319,828
Wyoming	3,685,459	3,768,535	3,937,045	4,243,331	4,131,492	4,088,728	4,109,523
Other	248,461	245,418	247,441	316,055	266,027	269,987	165,931
Total U.S.	292,907,703	287,349,852	275,108,835	290,746,408	278,805,818	266,084,846	249,950,207

U.S. Natural Gas Reserves
By State
Millions of Cubic Feet

	1974	1975	1976	1977	1978	1979
Alabama	507,370	770,981	707,153	745,538	751,219	933,152
Alaska	31,866,612	32,050,749	31,929,552	31,832,616	31,612,295	31,940,448
Arkansas	2,113,404	1,993,273	1,728,271	1,680,336	1,627,064	1,630,564
California*	5,194,592	5,484,027	5,342,031	5,198,348	5,095,082	5,044,465
Coastal Region*	836,055	743,166	755,830	790,316	848,070	903,196
Los Angeles Basin*	399,753	362,705	340,508	317,202	301,049	261,662
San Joaquin Basin	3,958,784	4,378,156	4,245,693	4,090,830	3,945,963	3,879,607
Colorado	1,881,695	1,893,017	1,887,785	2,025,987	1,965,765	2,043,081
Florida	308,866	266,904	257,502	215,323	160,296	108,629
Illinois	399,414	380,804	376,876	417,783	420,437	471,191
Indiana	64,141	59,839	45,401	53,249	56,710	52,449
Kansas	11,704,731	12,661,181	11,950,564	11,926,191	12,287,341	12,515,773
Kentucky	844,002	812,630	771,544	745,046	718,929	698,963
Louisiana*	64,052,445	61,309,423	57,501,756	52,685,970	49,674,148	45,554,325
North	2,836,554	2,629,673	2,508,892	2,305,547	2,379,165	2,382,024
South*	61,215,891	58,679,750	54,992,864	50,380,423	47,294,983	43,172,301
Michigan	1,458,254	1,606,749	1,598,146	1,791,200	1,768,581	1,797,923
Mississippi	1,079,420	1,207,627	1,061,314	1,307,133	1,410,514	1,429,360
Montana	901,260	929,986	1,106,270	1,043,982	991,668	1,036,091
Nebraska	54,609	55,818	59,158	68,122	72,839	85,002
New Mexico	11,944,902	11,759,294	11,916,617	11,931,112	13,261,489	13,460,738
East	4,327,505	3,980,840	3,921,228	3,864,847	3,615,023	3,612,335
West	7,617,397	7,778,454	7,995,389	8,066,265	9,646,466	9,848,403
New York	165,546	215,843	236,029	247,303	262,711	282,520
North Dakota	432,682	416,848	405,944	392,066	411,485	489,347
Ohio	1,308,210	1,354,010	1,350,581	1,459,430	1,560,478	1,709,082
Oklahoma	13,390,312	13,083,028	12,435,333	11,712,342	11,463,291	11,191,008
Pennsylvania	1,492,145	1,682,460	1,651,898	1,884,932	2,093,516	2,251,312
Texas*	78,540,712	71,036,854	64,651,410	62,157,836	54,600,235	51,610,771
District 1	1,419,873	1,363,529	1,164,851	1,108,409	1,067,071	1,046,246
District 2*	7,386,745	6,186,901	6,295,697	5,901,603	4,326,275	4,181,497
District 3*	17,078,244	16,426,950	14,191,629	15,354,734	13,273,295	12,113,086
District 4*	17,291,294	15,461,167	13,315,253	12,456,467	10,527,441	9,331,672
District 5	986,821	950,557	819,266	708,091	692,917	709,657
District 6	5,026,683	4,203,032	4,334,567	4,458,298	4,302,223	4,692,899
District 7B	659,615	620,212	748,947	840,809	860,879	1,035,429
District 7C	2,303,591	2,086,401	2,053,997	1,829,114	1,679,012	1,564,497
District 8	13,962,887	12,541,137	10,879,589	9,557,332	8,294,307	7,768,399
District 8A	1,953,860	1,389,787	1,324,061	1,212,225	1,075,564	1,090,423
District 9	1,416,465	1,316,277	1,216,469	1,124,048	990,496	932,119
District 10	9,054,639	8,490,904	8,307,084	7,606,706	7,510,755	7,144,847
Utah	1,031,409	917,433	829,862	748,907	698,655	677,079
Virginia	44,707	47,465	56,393	69,041	79,064	75,867
West Virginia	2,265,581	2,311,336	2,273,273	2,375,855	2,683,136	2,867,550
Wyoming	3,917,387	3,703,159	3,704,383	3,962,850	4,315,775	4,685,491
Other	168,084	189,438	191,028	199,380	258,984	274,443
Total U.S.	**237,132,497**	**228,200,176**	**216,026,074**	**208,877,878**	**200,301,707**	**194,916,624**

* Includes adjacent offshore state and federal waters.

Data from Oil & Gas Journal Energy Database.
Source: American Petroleum Institute, American Gas Association

U.S. Natural Gas Reserves
By State
Millions of Cubic Feet

	1978	1979	1980	1981	1982	1983	1984
Alabama	514,000	652,000	636,000	648,000	648,000	785,000	961,000
Alaska	32,045,000	32,259,000	33,382,000	33,037,000	34,990,000	34,283,000	34,476,000
Arkansas	1,681,000	1,703,000	1,774,000	1,801,000	1,958,000	2,069,000	2,227,000
California	4,947,000	5,022,000	5,414,000	5,617,000	5,552,000	5,781,000	5,554,000
Coastal Region Land*	350,000	365,000	299,000	306,000	362,000	381,000	265,000
Los Angeles Basin Land*	178,000	163,000	193,000	154,000	96,000	107,000	156,000
San Joaquin Basin Land	3,960,000	3,941,000	4,344,000	4,163,000	3,901,000	3,819,000	3,685,000
State & Federal Offshore	459,000	553,000	578,000	994,000	1,193,000	1,474,000	1,448,000
Colorado	2,765,000	2,608,000	2,922,000	2,961,000	3,314,000	3,148,000	2,943,000
Florida	119,000	77,000	84,000	69,000	64,000	49,000	65,000
Kansas	10,992,000	10,243,000	9,508,000	9,860,000	9,724,000	9,553,000	9,387,000
Kentucky	545,000	468,000	508,000	530,000	551,000	554,000	613,000
Louisiana	55,725,000	50,042,000	47,325,000	47,377,000	44,916,000	42,561,000	41,399,000
North	3,203,000	2,798,000	3,076,000	3,270,000	2,912,000	2,939,000	2,494,000
South Land*	17,755,000	13,994,000	13,026,000	12,645,000	11,801,000	11,142,000	10,331,000
State & Federal Offshore	34,767,000	33,250,000	31,223,000	31,462,000	30,203,000	28,480,000	28,574,000
Michigan	1,422,000	1,204,000	1,406,000	1,118,000	1,084,000	1,219,000	1,112,000
Mississippi	1,635,000	1,504,000	1,769,000	2,035,000	1,796,000	1,596,000	1,491,000
Montana	926,000	825,000	1,287,000	1,321,000	847,000	896,000	802,000
New Mexico	12,688,000	13,724,000	13,287,000	13,870,000	12,418,000	11,676,000	11,364,000
East	3,889,000	4,031,000	3,530,000	3,598,000	3,432,000	3,230,000	3,197,000
West	8,799,000	9,693,000	9,757,000	10,272,000	8,986,000	8,446,000	8,167,000
New York	193,000	211,000	208,000	264,000	229,000	295,000	389,000
North Dakota	374,000	439,000	537,000	581,000	629,000	600,000	566,000
Ohio	684,000	1,479,000	1,699,000	965,000	1,141,000	2,030,000	1,541,000
Oklahoma	14,417,000	13,816,000	13,138,000	14,699,000	16,207,000	16,211,000	16,126,000
Pennsylvania	899,000	1,515,000	951,000	1,264,000	1,429,000	1,882,000	1,575,000
Texas	55,583,000	53,021,000	50,287,000	50,469,000	49,757,000	50,052,000	49,883,000
District 1	986,000	919,000	829,000	1,022,000	892,000	1,087,000	838,000
District 2*	2,976,000	2,974,000	2,502,000	2,629,000	2,493,000	2,534,000	2,512,000
District 3*	7,186,000	6,315,000	5,531,000	5,292,000	4,756,000	4,680,000	4,708,000
District 4*	9,031,000	8,326,000	8,130,000	8,004,000	8,410,000	8,316,000	8,525,000
District 5	1,298,000	1,155,000	1,147,000	1,250,000	1,308,000	1,448,000	1,874,000
District 6	3,240,000	3,258,000	4,230,000	4,177,000	4,326,000	4,857,000	4,703,000
District 7B	743,000	751,000	745,000	804,000	805,000	1,027,000	794,000
District 7C	2,821,000	2,842,000	2,378,000	2,503,000	2,659,000	2,568,000	2,866,000
District 8	11,093,000	10,077,000	9,144,000	8,546,000	8,196,000	8,159,000	7,343,000
District 8A	1,473,000	1,055,000	1,057,000	1,071,000	1,041,000	966,000	907,000
District 9	908,000	700,000	649,000	953,000	1,103,000	932,000	900,000
District 10	7,406,000	6,784,000	6,435,000	6,229,000	6,210,000	5,919,000	5,461,000
State & Federal Offshore	6,422,000	7,865,000	7,510,000	7,989,000	7,558,000	7,562,000	8,452,000
Utah	925,000	948,000	1,201,000	1,912,000	2,161,000	2,333,000	2,080,000
Virginia	NA	NA	NA	118,000	122,000	175,000	216,000
West Virginia	1,634,000	1,558,000	2,422,000	1,834,000	2,148,000	2,194,000	2,136,000
Wyoming	7,211,000	7,526,000	9,100,000	9,307,000	9,758,000	10,227,000	10,482,000
Other	109,000	153,000	176,000	73,000	69,000	78,000	75,000
Total U.S.	**208,033,000**	**200,997,000**	**199,021,000**	**201,730,000**	**201,512,000**	**200,247,000**	**197,483,000**

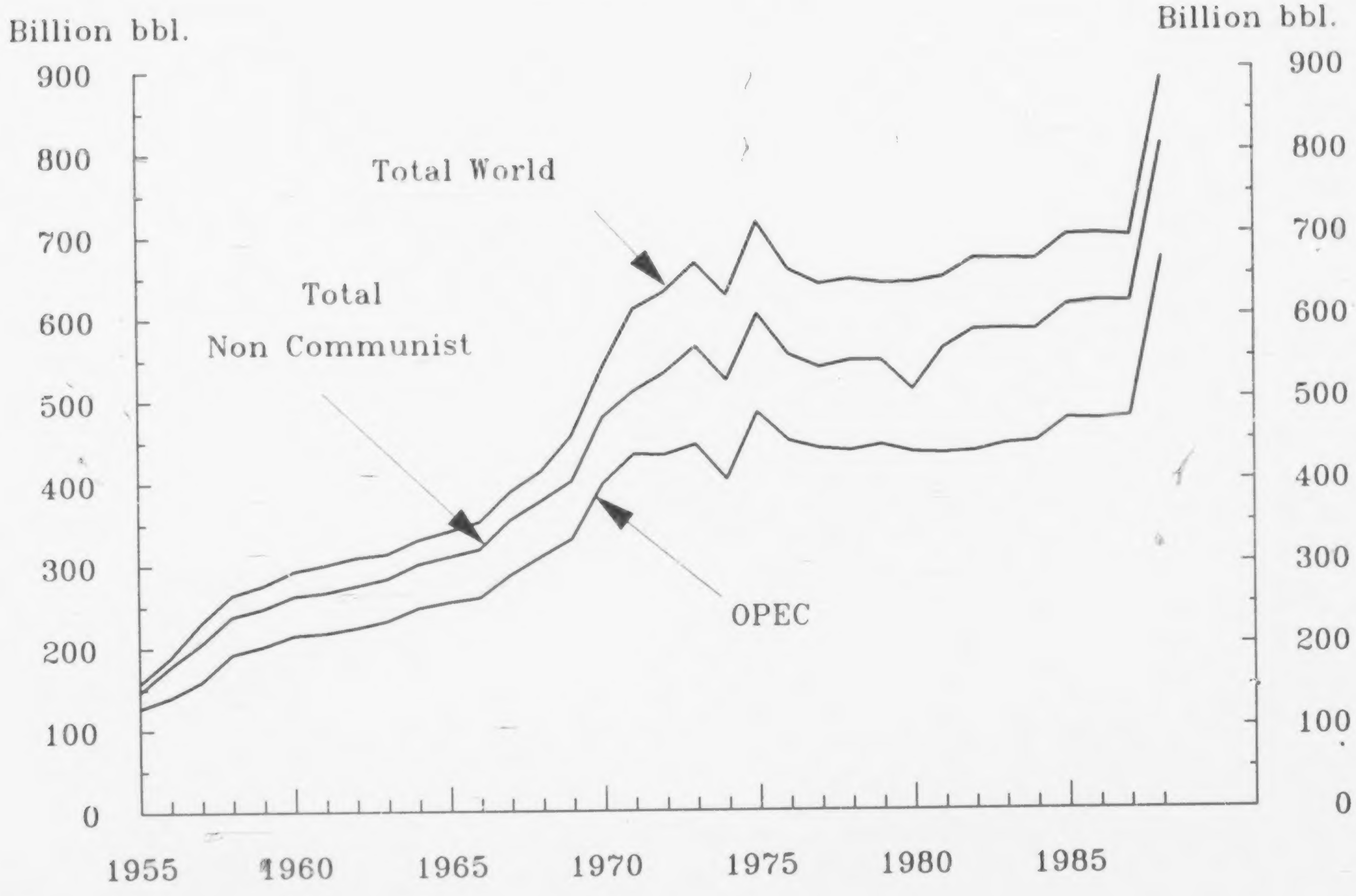
U.S. Natural Gas Reserves
By State
Millions of Cubic Feet

	1985	1986
Alabama Land	821,000	951,000
Alaska	33,847,000	32,664,000
Arkansas	2,019,000	1,992,000
California	4,325,000	3,928,000
Coastal Region Land*	256,000	255,000
Los Angeles Basin Land*	181,000	142,000
San Joaquin Basin Land	3,574,000	3,277,000
State Offshore	314,000	254,000
Colorado	2,881,000	3,027,000
Florida	55,000	49,000
Kansas	9,337,000	10,509,000
Kentucky	766,000	841,000
Louisiana	14,038,000	12,930,000
North	2,587,000	2,515,000
South Land*	9,808,000	9,103,000
State Offshore	1,643,000	1,312,000
Michigan	985,000	1,139,000
Mississippi	1,360,000	1,300,000
Montana	857,000	803,000
New Mexico	10,900,000	11,808,000
East	3,034,000	2,694,000
West	7,866,000	9,114,000
New York	369,000	457,000
North Dakota	569,000	541,000
Ohio	1,331,000	1,420,000
Oklahoma	16,040,000	16,685,000
Pennsylvania	1,617,000	1,560,000
Texas	41,775,000	40,574,000
District 1	967,000	913,000
District 2*	2,358,000	2,180,000
District 3*	4,180,000	3,753,000
District 4*	8,250,000	8,274,000
District 5	2,058,000	2,141,000
District 6	4,822,000	4,854,000
District 7B	708,000	684,000
District 7C	2,914,000	2,721,000
District 8	7,330,000	7,333,000
District 8A	958,000	845,000
District 9	892,000	868,000
District 10	5,469,000	5,276,000
State Offshore	869,000	732,000
Utah	1,999,000	1,895,000
Virginia	235,000	253,000
West Virginia	2,058,000	2,148,000
Wyoming	10,617,000	9,756,000
Federal Offshore	34,492,000	34,223,000
Pacific Coast	1,119,000	1,325,000
Gulf of Mexico	33,373,000	32,898,000
Other	76,000	133,000
Total U.S.	**193,369,000**	**191,588,000**

* Excludes adjacent offshore state and federal waters which were included in the previous data series on reserves from API/AGA.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Worldwide Crude Oil Reserves
January 1



Source: OGJ

Worldwide Crude Oil Reserves
By Country, Beginning of Year
Thousands of barrels

	1952	1953	1954	1955	1956	1957	1958	1959	1960
United States	26,121,000	27,537,000	29,044,000	28,944,800	29,560,700	32,873,000	33,001,000	33,000,000	33,500,000
Canada	1,600,000	1,800,000	1,950,000	2,850,000	2,207,614	3,500,000	4,000,000	4,000,000	4,590,000
Argentina	340,000	330,000	325,000	410,000	400,000	400,000	750,000	1,000,000	2,000,000
Barbados	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bolivia	40,000	40,000	12,000	45,000	50,000	70,000	70,000	90,000	94,000
Brazil	35,000	45,000	50,000	60,000	27,000	40,000	140,000	250,000	250,000
Chile	35,000	45,000	55,000	55,000	25,000	25,000	40,000	50,000	65,000
Colombia	450,000	470,000	550,000	570,000	580,000	650,000	650,000	700,000	750,000
Ecuador	25,000	25,000	28,000	28,000	25,000	25,000	25,000	25,000	24,000
Guatemala	NA	NA	NA	NA	NA	NA	NA	NA	NA
Honduras	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mexico	1,424,000	1,525,000	1,725,000	1,750,000	1,900,000	2,500,000	2,750,000	2,500,000	2,500,000
Peru	250,000	250,000	250,000	225,000	225,000	275,000	275,000	325,000	325,000
Suriname	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trinidad & Tobago	240,000	250,000	285,000	280,000	280,000	285,000	300,000	400,000	425,000
Venezuela	9,031,000	8,900,000	9,900,000	10,930,000	12,000,000	13,200,000	16,000,000	16,500,000	18,000,000
Latin America	**11,870,000**	**11,880,000**	**13,180,000**	**14,353,000**	**15,512,000**	**17,470,000**	**21,000,000**	**21,840,000**	**24,433,000**
Western Hemisphere	**39,591,000**	**41,217,000**	**44,174,000**	**46,147,800**	**47,280,314**	**53,843,000**	**58,001,000**	**58,840,000**	**62,523,000**
Austria	150,000	160,000	NA	NA	400,000	395,000	350,000	300,000	250,000
Denmark	NA	NA	NA	NA	NA	NA	NA	NA	NA
France	25,000	30,000	32,000	100,000	120,000	150,000	150,000	175,000	200,000
Germany, West	185,000	200,000	300,000	435,000	495,000	454,000	450,000	420,000	500,000
Greece	NA	NA	NA	NA	NA	NA	NA	NA	NA
Italy	2,500	5,000	6,000	90,000	110,000	150,000	200,000	300,000	300,000
Netherlands	75,000	75,000	100,000	90,000	95,000	115,000	115,000	200,000	200,000
Norway	NA	NA	NA	NA	NA	NA	NA	NA	NA
Spain	NA	NA	NA	NA	NA	NA	NA	NA	NA
Turkey	20,000	35,000	80,000	65,000	65,000	65,000	65,000	70,000	70,000
United Kingdom	3,000	2,700	3,500	4,200	5,000	5,000	7,000	7,000	6,000
Western Europe	**460,500**	**507,700**	**521,500**	**784,200**	**1,290,000**	**1,334,000**	**1,337,000**	**1,472,000**	**1,526,000**
Afghanistan	NA	NA	NA	NA	NA	NA	NA	NA	NA
Australia	NA	NA	NA	1,000	1,000	1,000	1,000	1,000	1,000
Bangladesh	NA	NA	NA	NA	NA	NA	NA	NA	NA
Brunei	* 500,000	* 500,000	* 500,000	* 525,000	* 500,000	* 600,000	* 550,000	* 500,000	* 500,000
Burma	140,000	140,000	50,000	45,000	45,000	45,000	45,000	45,000	45,000
India	25,000	25,000	30,000	50,000	60,000	400,000	400,000	500,000	525,000
Indonesia	1,250,000	1,300,000	1,900,000	1,900,000	2,300,000	5,000,000	7,500,000	8,500,000	9,000,000
Japan	20,000	25,000	28,000	52,000	22,000	22,000	25,000	50,000	50,000
Mayalsia	* NA	* NA	* NA	* NA	* NA	* NA	* NA	* NA	* NA
New Zealand	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pakistan	20,000	22,000	25,000	20,000	22,000	22,000	22,000	20,000	25,000
Papua, New Guinea	30,000	50,000	50,000	115,000	50,000	50,000	35,000	30,000	28,000
Philippines	NA	NA	NA	NA	NA	NA	NA	NA	1,000
Taiwan	NA	NA	NA	NA	NA	NA	NA	500	500
Thailand	NA	NA	NA	NA	NA	NA	NA	NA	NA
Asia-Pacific	**1,985,000**	**2,062,000**	**2,583,000**	**2,708,000**	**3,000,000**	**6,140,000**	**8,578,000**	**9,646,500**	**10,175,500**

Worldwide Crude Oil Reserves
By Country, Beginning of Year
Thousands of barrels

	1952	1953	1954	1955	1956	1957	1958	1959	1960
Abu Dhabi	NA	NA	NA	NA	NA	NA	NA	100,000	100,000
Bahrain	300,000	290,000	280,000	215,000	205,000	205,000	200,000	230,000	225,000
Dubai	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iran	15,000,000	15,000,000	15,000,000	15,000,000	27,000,000	30,000,000	32,000,000	33,000,000	35,000,000
Iraq	10,000,000	12,000,000	13,000,000	14,250,000	20,000,000	22,000,000	25,000,000	25,000,000	25,000,000
Israel	NA	NA	NA	NA	1,000	50,000	50,000	50,000	40,000
Jordan	NA	NA	NA	NA	NA	NA	NA	NA	NA
Kuwait	15,000,000	20,000,000	20,000,000	30,000,000	40,000,000	50,000,000	60,000,000	60,000,000	62,000,000
Neutral Zone	NA	NA	300,000	429,000	500,000	650,000	5,000,000	6,000,000	6,500,000
North Yemen	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oman	NA	NA	NA	NA	NA	NA	NA	NA	NA
Qatar	1,200,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,750,000	2,500,000	2,500,000
Ra's al Khaymah	NA	NA	NA	NA	NA	NA	NA	NA	NA
Saudi Arabia	12,000,000	16,000,000	28,000,000	36,000,000	37,000,000	40,000,000	45,000,000	47,000,000	50,000,000
Sharjah	NA	NA	NA	NA	NA	NA	NA	NA	NA
Syria	NA	NA	NA	NA	NA	NA	1,000	1,000	1,000
Middle East	53,500,000	64,790,000	78,080,000	97,394,000	126,206,000	144,405,000	169,001,000	173,881,000	181,366,000
Algeria	NA	NA	5,000	5,000	5,000	1[illegible],000	500,000	3,500,000	5,000,000
Angola-Cabinda	NA	NA	NA	NA	NA	NA	NA	25,000	25,000
Benin	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cameroon	NA	NA	NA	NA	NA	NA	NA	NA	NA
Congo	NA	NA	NA	NA	NA	NA	NA	10,000	10,000
Egypt	170,000	155,000	140,000	92,000	150,000	250,000	275,000	400,000	500,000
Gabon	NA	NA	NA	NA	NA	NA	NA	100,000	150,000
Ghana	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ivory Coast	NA	NA	NA	NA	NA	NA	NA	NA	NA
Libya	NA	NA	NA	NA	NA	NA	NA	50,000	1,500,000
Morocco	5,000	8,000	13,000	15,000	14,000	10,000	9,000	8,500	8,500
Nigeria	NA	NA	NA	NA	NA	10,000	30,000	25,000	80,000
South Africa	NA	NA	NA	NA	NA	NA	NA	NA	NA
Senegal	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sudan	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tunisia	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zaire	NA	NA	NA	NA	NA	NA	NA	NA	NA
Africa	175,000	163,000	158,000	112,000	169,000	285,000	814,000	4,118,500	7,273,500
Eastern Hemisphere	56,120,500	67,522,700	81,342,500	100,998,200	130,665,000	152,164,000	179,730,000	189,118,000	200,341,000
Total Non-Communist	95,711,500	108,739,700	125,516,500	147,146,000	177,945,314	206,007,000	237,731,000	247,958,000	262,864,000
China	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cuba	3,850	3,500	2,000	3,000	3,000	4,000	3,500	3,000	2,600
U.S.S.R.	NA	NA	NA	NA	NA	NA	NA	NA	NA
Yugoslavia	NA	NA	NA	NA	36,000	36,000	32,000	35,000	40,000
Other Communist	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Communist	7,920,850	9,411,500	9,742,000	10,390,000	10,872,000	25,040,000	26,235,500	27,743,000	30,179,000
Total World	103,632,350	118,151,200	135,258,500	157,536,000	188,817,314	231,047,000	263,966,500	275,701,000	293,043,800

Worldwide Crude Oil Reserves
By Country, Beginning of Year
Thousands of barrels

	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970
United States	**33,535,000**	**35,500,000**	**35,300,000**	**34,272,000**	**34,492,000**	**35,400,000**	**38,159,000**	**37,541,000**	**32,500,000**	**38,700,000**
Canada	**5,000,000**	**5,000,000**	**4,600,000**	**5,675,000**	**5,281,000**	**7,500,000**	**8,250,000**	**8,791,750**	**9,900,000**	**8,782,000**
Argentina	2,200,000	2,400,000	2,400,000	2,300,000	2,000,000	1,900,000	2,905,000	2,905,000	3,100,000	4,000,000
Barbados	NA	NA	NA	NA	NA	NA	1,000	1,000	1,000	1,000
Bolivia	95,000	125,000	125,000	200,000	400,000	400,000	500,000	600,000	585,000	251,000
Brazil	300,000	325,000	300,000	300,000	900,000	500,000	1,000,000	700,000	850,000	882,000
Chile	110,000	150,000	150,000	200,000	225,000	200,000	175,000	150,000	136,000	130,000
Colombia	750,000	750,000	850,000	900,000	1,200,000	1,500,000	1,700,000	2,000,000	1,700,000	1,750,000
Ecuador	30,000	30,000	25,000	25,000	25,000	20,000	18,000	25,000	325,000	500,000
Guatemala	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Honduras	NA	NA	NA	NA	NA	500	1,000	1,000	500	500
Mexico	2,250,000	2,500,000	2,500,000	2,500,000	2,800,000	2,500,000	2,500,000	2,600,000	5,500,000	6,000,000
Peru	375,000	400,000	375,000	380,000	425,000	400,000	400,000	500,000	475,000	315,000
Suriname	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trinidad & Tobago	450,000	475,000	500,000	500,000	550,000	500,000	500,000	425,000	610,000	600,000
Venezuela	18,500,000	17,550,000	17,000,000	17,000,000	17,000,000	17,250,000	17,400,000	17,000,000	15,500,000	14,750,000
Latin America	**25,060,000**	**24,705,000**	**24,225,000**	**24,305,000**	**25,525,000**	**25,170,500**	**27,100,000**	**26,907,000**	**28,782,500**	**29,179,500**
Western Hemisphere	**63,595,000**	**65,205,000**	**64,125,000**	**64,252,000**	**65,298,000**	**68,070,500**	**73,509,000**	**73,239,750**	**71,182,500**	**76,661,500**
Austria	275,000	260,000	240,000	240,000	275,000	260,000	209,100	201,000	200,000	147,000
Denmark	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
France	225,000	225,000	225,000	235,000	235,000	230,000	210,000	205,000	185,000	150 000
Germany, West	500,000	500,000	550,000	650,000	650,000	640,000	586,000	710,000	720,000	700,000
Greece	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Italy	320,000	320,000	320,000	300,000	325,000	320,000	306,000	300,000	275,000	250,000
Netherlands	250,000	250,000	250,000	250,000	300,000	350,000	334,000	331,000	300,000	275,000
Norway	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Spain	NA	NA	NA	NA	100	10,000	10,000	10,000	14,000	10,000
Turkey	75,000	75,000	100,000	350,000	700,000	500,000	1,000,000	750,000	700,000	650,000
United Kingdom	5,000	6,000	6,000	600	500	10,000	9,400	10,000	8,000	7,000
Western Europe	**1,650,000**	**1,636,000**	**1,691,000**	**2,025,600**	**2,485,600**	**2,320,000**	**2,664,500**	**2,517,000**	**2,402,000**	**2,189,000**
Afghanistan	NA	NA	NA	NA	NA	NA	100,000	110,000	100,000	100,000
Australia	1,000	2,000	50,000	150,000	50,000	60,000	607,900	440,000	2,500,000	2,500,000
Bangladesh	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Brunei	* 500,000	* 715,000	* 650,000	* 600,000	* 707,500	* 500,000	* 470,000	* 500,000	* 600,000	* 650,000
Burma	45,000	45,000	40,000	35,000	30,000	40,000	36,000	35,000	40,000	50,000
India	750,000	500,000	500,000	750,000	750,000	800,000	1,400,000	1,638,000	1,500,000	715,000
Indonesia	9,500,000	9,500,000	10,000,000	10,000,000	10,000,000	9,500,000	9,100,000	9,000,000	8,850,000	9,000,000
Japan	60,000	60,000	50,000	50,000	50,000	45,000	35,600	36,000	35,000	34,000
Mayalsia	* NA	* NA	* NA	* NA	* NA	* NA	* NA	* NA	* NA	* NA
New Zealand	NA	NA	NA	100	100	26,000	26,000	26,000	26,000	26,000
Pakistan	25,000	25,000	25,000	25,000	25,000	36,000	32,000	30,000	50,000	45,000
Papua, New Guinea	25,000	20,000	15,000	10,000	NA	NA	NA	NA	NA	NA
Philippines	NA	100	500	500	500	500	NA	NA	NA	NA
Taiwan	500	500	300	300	300	1,000	750	745	19,000	18,000
Thailand	NA	NA	300	300	300	250	222	200	200	150
Asia-Pacific	**10,906,500**	**10,867,600**	**11,331,100**	**11,621,200**	**11,613,700**	**11,008,750**	**11,808,472**	**11,815,945**	**13,720,200**	**13,138,150**

Worldwide Crude Oil Reserves
By Country, Beginning of Year
Thousands of barrels

	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970
Abu Dhabi	250,000	3,500,000	5,000,000	7,500,000	7,700,000	10,000,000	12,500,000	15,000,000	18,000,000	16,000,000
Bahrain	250,000	245,000	245,000	243,000	250,000	230,000	200,000	195,000	170,000	343,000
Dubai	NA	NA	NA	NA	NA	NA	NA	NA	1,000,000	1,000,000
Iran	35,000,000	35,000,000	37,000,000	37,000,000	38,000,000	40,000,000	44,200,000	43,800,000	54,000,000	55,000,000
Iraq	27,000,000	26,500,000	26,000,000	25,500,000	25,000,000	25,000,000	24,000,000	23,500,000	28,000,000	27,500,000
Israel	35,000	34,000	30,000	25,000	30,000	30,000	14,600	14,000	15,000	13,000
Jordan	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Kuwait	62,000,000	62,000,000	63,000,000	63,500,000	63,000,000	62,500,000	68,700,000	70,000,000	69,000,000	68,000,000
Neutral Zone	6,000,000	6,000,000	7,500,000	10,000,000	12,500,000	12,400,000	13,000,000	13,500,000	15,000,000	13,000,000
North Yemen	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oman	NA	NA	NA	NA	500,000	500,000	500,000	2,500,000	2,500,000	5,000,000
Qatar	2,500,000	2,750,000	3,000,000	2,950,000	3,500,000	3,000,000	4,000,000	3,750,000	3,875,000	5,500,000
Ra's al Khaymah	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Saudi Arabia	50,000,000	52,000,000	52,000,000	60,000,000	60,500,000	60,000,000	66,000,000	74,700,000	77,000,000	140,000,000
Sharjah	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Syria	50,000	100,000	100,000	300,000	500,000	1,200,000	1,500,000	1,500,000	1,500,000	1,500,000
Middle East	**183,085,000**	**188,129,000**	**193,875,000**	**207,018,000**	**211,480,000**	**214,860,000**	**234,614,600**	**248,459,000**	**270,060,000**	**332,856,000**
Algeria	5,200,000	5,500,000	6,500,000	7,000,000	7,500,000	7,400,000	7,250,000	6,900,000	7,000,000	8,000,000
Angola-Cabinda	30,000	30,000	50,000	200,000	200,000	150,000	140,000	500,000	500,000	645,000
Benin	NA	NA	NA	NA	NA	NA	NA	NA	20,000	20,000
Cameroon	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Congo	10,000	10,000	10,000	10,000	10,000	9,000	8,000	7,500	6,800	6,000
Egypt	550,000	710,000	720,000	1,500,000	1,500,000	2,000,000	944,000	1,400,000	2,100,000	5,000,000
Gabon	150,000	150,000	150,000	150,000	170,000	175,000	200,000	350,000	465,000	500,000
Ghana	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ivory Coast	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Libya	2,000,000	3,000,000	4,500,000	7,000,000	9,000,000	10,000,000	20,000,000	29,200,000	30,000,000	35,000,000
Morocco	9,500	9,500	15,000	15,000	15,000	14,500	12,500	11,750	8,000	7,500
Nigeria	150,000	300,000	400,000	500,000	1,000,000	3,000,000	3,500,000	3,550,000	4,000,000	5,000,000
South Africa	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Senegal	NA	NA	500	500	500	NA	NA	NA	NA	NA
Sudan	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tunisia	NA	NA	NA	NA	100	300,000	300,000	365,000	468,000	500,000
Zaire	NA	NA	NA	NA	NA	500	1,000	1,000	1,000	1,000
Africa	**8,099,500**	**9,709,500**	**12,345,500**	**16,375,500**	**19,395,600**	**23,049,000**	**32,355,500**	**42,285,250**	**44,568,800**	**54,679,500**
Eastern Hemisphere	**203,741,000**	**210,342,100**	**219,242,600**	**237,040,300**	**244,974,900**	**251,237,750**	**281,443,072**	**305,077,195**	**330,751,000**	**402,862,650**
Total Non-Communist	**267,336,000**	**275,547,100**	**283,367,600**	**301,292,300**	**310,272,900**	**319,308,250**	**354,952,072**	**378,316,945**	**401,933,500**	**479,524,150**
China	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cuba	1,800	1,000	500	NA	NA	NA	300	250	275	250
U.S.S.R.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Yugoslavia	147,000	175,000	200,000	250,000	250,000	265,000	260,000	250,000	235,000	240,000
Other Communist	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Communist	**33,650,800**	**34,428,000**	**30,176,500**	**29,750,000**	**31,000,000**	**33,750,000**	**34,098,300**	**36,023,250**	**56,112,275**	**60,240,250**
Total World	**300,986,800**	**309,975,100**	**313,544,100**	**331,042,300**	**341,272,900**	**353,058,250**	**389,050,372**	**414,340,195**	**458,045,775**	**539,764,400**

Worldwide Crude Oil Reserves
By Country, Beginning of Year
Thousands of barrels

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
United States	**37,012,640**	**37,250,440**	**36,823,268**	**34,700,248**	**35,299,838**	**33,000,000**	**31,300,000**	**29,500,000**	**28,500,000**	**26,500,000**
Canada	**10,750,000**	**8,448,300**	**10,200,000**	**9,424,170**	**9,400,000**	**7,100,000**	**6,200,000**	**6,000,000**	**6,000,000**	**6,800,000**
Argentina	4,500,000	2,500,000	4,900,000	2,500,000	2,346,000	2,465,000	2,300,000	2,503,000	2,400,000	2,400,000
Barbados	750	750	750	250	25,000	21,400	3,650	1,000	500	1,500
Bolivia	225,000	217,000	200,000	260,000	250,000	235,000	240,000	350,000	250,000	150,000
Brazil	850,000	1,000,000	857,000	799,000	775,000	780,000	800,000	880,000	1,200,000	1,220,000
Chile	125,000	120,000	125,000	124,000	200,000	190,000	182,000	440,000	400,000	400,000
Colombia	1,675,000	1,663,000	1,500,000	1,432,000	900,000	556,600	825,000	960,000	750,000	710,000
Ecuador	750,000	5,748,000	5,750,000	5,675,000	2,500,000	2,450,000	1,700,000	1,640,000	1,170,000	1,100,000
Guatemala	NA	NA	10,000	0	0	0	21,300	16,000	16,000	16,000
Honduras	500	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mexico	3,200,000	4,500,000	2,800,000	3,600,000	13,582,000	9,500,000	7,000,000	14,000,000	16,000,000	31,250,000
Peru	270,000	400,000	750,000	1,050,000	2,500,000	770,000	747,000	730,000	560,000	655,000
Suriname	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trinidad & Tobago	575,000	1,500,000	2,000,000	2,200,000	2,500,000	700,000	520,000	650,000	500,000	700,000
Venezuela	14,000,000	13,900,000	13,700,000	14,000,000	15,000,000	17,700,000	15,270,000	18,200,000	18,000,000	17,870,000
Latin America	**26,171,250**	**31,548,750**	**32,592,750**	**31,640,250**	**40,578,000**	**35,368,000**	**29,608,950**	**40,370,000**	**41,246,500**	**56,472,500**
Western Hemisphere	**73,933,890**	**77,247,490**	**79,616,018**	**75,764,668**	**85,277,838**	**75,468,000**	**67,108,950**	**75,870,000**	**75,746,500**	**89,772,500**
Austria	180,000	185,000	175,000	157,000	182,000	167,000	160,000	154,500	150,000	141,400
Denmark	NA	250,000	250,000	248,500	247,000	245,000	300,000	50,000	300,000	375,000
France	125,000	92,000	81,000	80,000	142,000	88,000	50,000	43,000	56,000	50,000
Germany, West	584,000	591,000	551,000	544,000	550,000	372,700	332,510	320,000	310,000	480,000
Greece	NA	NA	NA	NA	NA	40,000	40,000	25,000	150,000	150,000
Italy	225,000	224,000	220,000	212,000	750,000	700,000	315,000	600,000	650,000	645,000
Netherlands	261,000	260,000	250,000	251,000	250,000	250,000	91,300	80,000	70,000	60,000
Norway	1,000,000	7,000,000	2,000,000	4,000,000	7,300,000	7,000,000	5,660,000	6,000,000	5,900,000	5,750,000
Spain	8,500	305,000	55,000	60,000	293,000	250,000	440,000	265,000	80,000	150,000
Turkey	645,000	580,000	550,000	450,000	500,000	107,100	390,000	370,000	360,000	125,000
United Kingdom	1,000,000	5,000,000	5,000,000	10,000,000	15,700,000	16,000,000	16,800,000	19,000,000	16,000,000	15,400,000
Western Europe	**4,028,500**	**14,487,000**	**9,132,000**	**16,002,500**	**25,914,000**	**25,219,800**	**24,578,810**	**26,907,500**	**24,026,000**	**23,326,400**
Afghanistan	95,000	90,000	89,900	89,840	85,000	85,000	85,000	84,000	NA	NA
Australia	2,000,000	2,896,000	2,121,460	2,300,000	2,300,000	1,700,000	1,380,000	2,000,000	2,100,000	2,130,000
Bangladesh	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Brunei	* 1,000,000	* 950,000	* 1,500,000	* 1,600,000	* 2,500,000	2,000,000	1,625,000	1,550,000	1,480,000	1,800,000
Burma	40,000	6,000	75,000	67,800	65,000	70,000	63,000	55,000	45,000	25,000
India	956,000	949,000	834,000	779,000	834,000	913,000	3,000,000	3,000,000	2,900,000	2,600,000
Indonesia	10,000,000	10,400,000	10,005,000	10,500,000	15,000,000	14,000,000	10,500,000	10,000,000	10,200,000	9,600,000
Japan	30,000	29,000	23,000	19,000	30,000	25,000	28,000	63,000	60,000	55,000
Mayalsia	* NA	* NA	* NA	* NA	* NA	2,500,000	2,430,000	2,500,000	2,800,000	2,800,000
New Zealand	226,000	225,000	224,000	224,000	75,000	75,000	190,000	105,000	110,000	110,000
Pakistan	41,500	38,000	34,500	31,200	28,700	26,000	75,000	280,000	200,000	200,000
Papua, New Guinea	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Philippines	NA	NA	NA	NA	NA	NA	NA	NA	100,000	25,000
Taiwan	20,000	21,000	15,000	14,000	15,000	15,000	15,000	12,000	12,000	10,200
Thailand	148	500	400	10,200	115,000	230	140	270	200	0
Asia-Pacific	**14,408,648**	**15,604,500**	**14,922,260**	**15,635,040**	**21,047,700**	**21,409,230**	**19,391,140**	**19,649,270**	**20,007,200**	**19,355,200**

Worldwide Crude Oil Reserves
By Country, Beginning of Year
Thousands of barrels

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
Abu Dhabi	11,800,000	18,948,000	20,768,000	21,500,000	30,000,000	29,500,000	29,000,000	31,000,000	30,000,000	28,000,000
Bahrain	634,000	631,000	375,000	360,000	336,000	312,000	290,000	270,000	250,000	240,000
Dubai	983,000	1,554,000	2,000,000	2,500,000	2,420,000	1,350,000	1,500,000	1,400,000	1,300,000	1,400,000
Iran	70,000,000	55,500,000	65,000,000	60,000,000	66,000,000	64,500,000	63,000,000	62,000,000	59,000,000	58,000,000
Iraq	32,000,000	35,990,000	29,000,000	31,500,000	35,000,000	34,300,000	34,000,000	34,500,000	32,100,000	31,000,000
Israel	12,900	10,000	9,000	2,500	2,200	1,470	1,220	1,000	10,000	1,000
Jordan	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Kuwait	67,100,000	66,023,000	64,900,000	64,000,000	72,800,000	68,000,000	67,400,000	67,000,000	66,200,000	65,400,000
Neutral Zone	25,700,000	24,350,000	16,000,000	17,500,000	17,300,000	6,400,000	6,300,000	6,200,000	6,480,000	6,260,000
North Yemen	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oman	1,700,000	5,200,000	5,000,000	5,250,000	6,000,000	5,900,000	5,800,000	5,650,000	2,500,000	2,400,000
Qatar	4,300,000	6,000,000	7,000,000	6,500,000	6,000,000	5,850,000	5,700,000	5,600,000	4,000,000	3,760,000
Ra's al Khaymah	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Saudi Arabia	128,500,000	145,300,000	138,000,000	132,000,000	164,500,000	148,600,000	151,400,000	150,000,000	165,700,000	163,350,000
Sharjah	NA	NA	NA	1,500,000	1,500,000	1,350,000	700,000	25,000	16,000	11,300
Syria	1,200,000	7,300,000	7,250,000	7,100,000	1,500,000	2,240,000	2,200,000	2,150,000	2,080,000	2,000,000
Middle East	**343,929,900**	**366,806,000**	**355,302,000**	**349,712,500**	**403,358,200**	**368,303,470**	**367,291,220**	**365,796,000**	**369,636,000**	**361,822,300**
Algeria	30,000,000	12,250,000	47,000,000	7,640,000	7,700,000	7,370,000	6,800,000	6,600,000	6,300,000	8,440,000
Angola-Cabinda	500,000	803,000	1,200,000	1,500,000	1,175,000	1,300,000	1,210,000	1,160,000	1,115,000	1,200,000
Benin	1,000	1,000	1,000	NA	NA	NA	NA	NA	NA	NA
Cameroon	NA	NA	NA	NA	NA	NA	NA	60,000	50,000	140,000
Congo	3,600	3,300,000	5,000,000	4,888,000	4,874,000	2,450,000	285,000	360,000	315,000	400,000
Egypt	4,500,000	4,000,000	5,200,000	5,125,000	3,700,000	3,900,000	1,950,000	2,450,000	3,200,000	3,100,000
Gabon	700,000	750,000	1,100,000	1,500,000	1,750,000	2,200,000	2,125,000	2,050,000	1,970,000	500,000
Ghana	1,000	1,000	NA	NA	NA	NA	NA	NA	NA	7,000
Ivory Coast	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Libya	29,200,000	25,000,000	30,400,000	25,500,000	26,600,000	26,100,000	25,500,000	25,000,000	24,300,000	23,500,000
Morocco	920	1,200	1,000	750	450	220	200	150	125	100
Nigeria	9,300,000	11,680,000	15,000,000	20,000,000	20,900,000	20,200,000	19,500,000	18,700,000	18,200,000	17,400,000
South Africa	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Senegal	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sudan	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tunisia	550,000	600,000	1,000,000	950,000	1,100,000	1,065,000	2,700,000	2,670,000	2,300,000	2,250,000
Zaire	1,000	500,000	500,000	200,000	500,000	500,000	500,000	150,000	142,000	135,000
Africa	**74,757,520**	**58,886,200**	**106,402,000**	**67,303,750**	**68,299,450**	**65,085,220**	**60,570,200**	**59,200,150**	**57,892,125**	**57,072,100**
Eastern Hemisphere	**437,124,568**	**455,783,700**	**485,758,260**	**448,653,790**	**518,619,350**	**480,017,720**	**471,831,370**	**471,552,920**	**471,561,325**	**461,578,000**
Total Non-Communist	**511,058,458**	**533,031,190**	**585,374,278**	**524,418,458**	**603,897,186**	**555,485,720**	**538,940,320**	**547,422,920**	**547,307,825**	**551,348,500**
China	NA	NA	NA	NA	NA	NA	20,000,000	20,000,000	20,000,000	20,000,000
Cuba	14,000	10,000	9,000	0	+ NA	+ NA	+ NA	+ NA	+ NA	+ NA
U.S.S.R.	NA	NA	NA	NA	NA	NA	78,100,000	75,000,000	71,000,000	67,000,000
Yugoslavia	325,000	315,000	3,500,000	438,000	400,000	375,000	350,000	325,000	300,000	275,000
Other Communist	NA	NA	NA	NA	NA	NA	3,000,000	3,000,000	3,000,000	3,000,000
Total Communist	**100,339,000**	**98,825,000**	**101,509,000**	**103,438,000**	**111,800,000**	**103,375,000**	**101,450,000**	**98,325,000**	**94,300,000**	**90,275,000**
Total World	**611,397,458**	**631,856,190**	**686,883,278**	**627,856,458**	**715,697,186**	**658,860,720**	**640,390,320**	**645,747,920**	**641,607,825**	**641,623,500**

Worldwide Crude Oil Reserves
By Country, Beginning of Year
Thousands of barrels

	1981	1982	1983	1984	1985	1986	1987	1988
United States	26,400,000	29,785,000	29,785,000	27,300,000	27,300,000	28,000,000	24,560,000	25,270,000
Canada	6,400,000	7,300,000	7,020,000	6,730,000	7,075,000	6,500,000	6,850,000	6,825,000
Argentina	2,457,000	2,650,000	2,590,000	2,428,700	2,266,000	2,300,000	2,270,000	2,270,000
Barbados	837	450	730	600	600	400	500	3,620
Bolivia	112,000	104,000	180,000	160,500	158,000	154,000	149,000	156,000
Brazil	1,300,000	1,325,060	1,750,000	1,800,000	1,976,000	2,070,000	2,250,000	2,340,000
Chile	400,000	790,000	760,000	748,000	736,000	726,000	290,000	290,000
Colombia	800,000	516,450	536,000	560,000	624,000	1,224,000	1,290,500	1,590,000
Ecuador	1,100,000	850,000	1,400,000	1,675,000	1,400,000	1,650,000	1,672,300	1,615,000
Guatemala	20,000	55,000	50,000	48,000	500,000	50,000	23,000	41,500
Honduras	NA	NA	NA	NA	NA	NA	NA	NA
Mexico	44,000,000	56,990,000	48,300,000	48,000,000	48,600,000	49,300,000	54,653,000	48,610,000
Peru	650,000	801,310	835,336	775,100	670,100	636,000	546,000	511,860
Suriname	NA	NA	NA	NA	NA	1,000	1,000	27,000
Trinidad & Tobago	700,000	600,000	580,000	630,000	540,000	540,000	610,000	567,000
Venezuela	17,950,000	20,300,000	21,500,000	24,850,000	25,845,000	25,591,000	25,000,000	56,300,000
Latin America	**69,489,837**	**84,982,270**	**78,482,066**	**81,675,900**	**83,315,700**	**84,242,400**	**88,755,300**	**114,321,980**
Western Hemisphere	**102,289,837**	**122,087,270**	**115,287,066**	**115,705,900**	**117,690,700**	**118,742,400**	**120,165,300**	**146,416,980**
Austria	130,000	134,000	128,200	122,000	118,500	110,000	76,300	105,000
Denmark	475,000	470,000	473,000	324,000	400,000	465,000	440,000	440,000
France	40,000	103,000	124,300	139,780	148,000	230,000	234,900	212,620
Germany, West	450,000	342,400	310,000	304,000	299,000	292,000	316,000	316,000
Greece	150,000	73,000	59,780	51,000	51,000	34,600	26,000	21,600
Italy	640,000	625,000	703,000	800,000	800,000	740,000	721,750	739,000
Netherlands	285,000	345,000	294,000	308,700	310,000	251,000	194,900	195,000
Norway	5,500,000	7,620,000	6,800,000	7,660,000	8,300,000	10,900,000	10,500,000	14,800,000
Spain	350,000	121,700	131,400	160,000	115,000	90,000	28,200	38,600
Turkey	110,000	280,000	280,000	370,000	294,000	300,000	400,000	380,000
United Kingdom	14,800,000	14,800,000	13,900,000	13,150,000	13,590,000	13,000,000	9,000,000	5,200,000
Western Europe	**22,930,000**	**24,914,100**	**23,203,680**	**23,389,480**	**24,425,500**	**26,412,600**	**21,938,050**	**22,447,820**
Afghanistan	NA	NA	NA	NA	NA	NA	NA	NA
Australia	2,360,000	1,709,000	1,622,077	1,586,000	1,430,900	1,449,000	1,712,800	1,691,960
Bangladesh	NA	NA	NA	NA	NA	NA	NA	500
Brunei	1,710,000	1,630,000	1,240,000	1,390,000	1,400,000	1,480,000	1,420,900	1,420,000
Burma	30,000	28,000	32,000	30,000	28,000	65,500	58,000	58,000
India	2,580,000	2,672,000	3,416,400	3,485,000	3,500,000	3,736,000	4,202,800	4,250,000
Indonesia	9,500,000	9,800,000	9,550,000	9,100,000	8,650,000	8,500,000	8,300,000	8,400,000
Japan	52,000	70,000	60,000	58,000	56,000	62,000	57,000	56,790
Mayalsia	3,000,000	2,800,000	3,325,000	3,000,000	3,000,000	3,100,000	2,820,500	2,900,000
New Zealand	173,000	170,800	169,000	170,000	155,000	176,000	167,000	160,000
Pakistan	196,500	240,000	196,300	82,900	82,000	109,000	96,000	96,000
Papua, New Guinea	NA	NA	NA	NA	50,000	50,000	65,000	200,000
Philippines	20,000	23,000	35,600	16,300	16,300	16,300	16,900	16,000
Taiwan	9,000	8,000	6,700	6,200	5,700	5,500	5,400	5,400
Thailand	0	0	103,000	45,000	156,000	107,000	101,200	99,000
Asia-Pacific	**19,630,500**	**19,150,800**	**19,756,077**	**18,969,400**	**18,529,900**	**18,856,300**	**19,023,500**	**19,353,650**

Worldwide Crude Oil Reserves
By Country, Beginning of Year
Thousands of barrels

	1981	1982	1983	1984	1985	1986	1987	1988
Abu Dhabi	29,000,000	30,600,000	30,510,000	30,400,000	30,500,000	31,000,000	31,000,000	92,205,000
Bahrain	225,000	209,000	197,000	185,000	170,000	155,000	140,000	140,550
Dubai	1,400,000	1,270,000	1,440,000	1,440,000	1,440,000	1,400,000	1,350,000	4,000,000
Iran	57,500,000	57,000,000	55,308,000	51,000,000	48,500,000	47,876,000	48,800,000	92,850,000
Iraq	30,000,000	29,700,000	41,000,000	43,000,000	44,500,000	44,110,000	47,100,000	100,000,000
Israel	1,000	950	893	800	750	710	700	700
Jordan	NA	NA	NA	NA	NA	NA	NA	12,000
Kuwait	64,900,000	64,480,000	64,230,000	63,900,000	90,000,000	89,774,000	91,916,000	91,920,000
Neutral Zone	6,060,000	6,500,000	5,840,000	5,695,000	5,420,000	5,380,000	5,212,100	5,210,000
North Yemen	NA	NA	NA	NA	NA	200,000	500,000	550,000
Oman	2,340,000	2,570,000	2,730,000	2,790,000	3,500,000	4,000,000	4,032,000	4,012,000
Qatar	3,585,000	3,434,000	3,425,000	3,330,000	3,350,000	3,300,000	3,154,000	3,150,000
Ra's al Khaymah	NA	NA	NA	100,000	100,000	100,000	200,000	400,000
Saudi Arabia	165,000,000	164,600,000	162,400,000	166,000,000	169,000,000	168,800,000	166,573,900	166,980,000
Sharjah	10,000	306,000	404,000	400,000	450,000	490,000	500,000	1,500,000
Syria	1,940,000	1,890,000	1,521,000	1,490,000	1,450,000	1,440,000	1,400,000	1,750,000
Middle East	**361,961,000**	**362,559,950**	**369,005,893**	**369,730,800**	**398,380,750**	**398,025,710**	**401,878,700**	**564,680,250**
Algeria	8,200,000	8,080,000	9,440,000	9,220,000	9,000,000	8,820,000	8,800,000	8,500,000
Angola-Cabinda	1,200,000	1,450,000	1,635,000	1,700,000	1,800,000	2,000,000	1,149,400	1,149,000
Benin	NA	NA	NA	100,000	100,000	100,000	100,000	100,000
Cameroon	200,000	480,000	530,000	520,000	550,000	555,000	540,000	520,000
Congo	660,000	1,300,000	1,550,000	400,000	480,000	650,000	720,000	720,000
Egypt	2,900,000	2,930,000	3,325,000	3,450,000	3,200,000	3,850,000	3,600,000	4,300,000
Gabon	450,000	480,000	460,000	490,000	510,000	520,000	645,000	645,000
Ghana	6,300	2,310	5,400	3,800	3,800	3,800	2,350	1,000
Ivory Coast	50,000	314,000	110,500	108,000	108,000	125,000	125,000	120,000
Libya	23,000,000	22,600,000	21,500,000	21,270,000	21,100,000	21,300,000	21,300,000	21,000,000
Morocco	75	320	290	220	250	250	300	2,700
Nigeria	16,700,000	16,500,000	16,750,000	16,550,000	16,650,000	16,600,000	16,000,000	15,980,000
South Africa	NA	NA	116,500	115,000	114,500	NA	NA	NA
Senegal	NA	NA	NA	750,000	NA	NA	NA	NA
Sudan	NA	200,000	400,000	300,000	300,000	300,000	300,000	300,000
Tunisia	1,652,000	1,690,000	1,860,000	1,820,000	1,514,000	1,800,000	1,800,000	1,800,000
Zaire	130,000	145,000	139,000	110,000	110,000	110,000	112,000	112,000
Africa	**55,148,375**	**56,171,630**	**57,821,690**	**56,907,020**	**55,540,550**	**56,734,050**	**55,194,050**	**55,249,700**
Eastern Hemisphere	**459,669,875**	**462,796,480**	**469,787,340**	**468,996,700**	**496,876,700**	**500,028,660**	**498,034,300**	**661,731,420**
Total Non-Communist	**561,959,712**	**584,863,750**	**585,074,406**	**584,702,800**	**614,567,400**	**618,771,060**	**618,199,800**	**808,148,400**
China	20,500,000	19,895,000	19,485,000	19,100,000	19,100,000	18,420,000	18,400,000	18,400,000
Cuba	+ NA	+ NA	+ NA	+ NA	+ NA	+ NA	+ NA	+ NA
U.S.S.R.	63,000,000	63,000,000	63,000,000	63,000,000	63,000,000	61,000,000	59,000,000	59,000,000
Yugoslavia	265,000	+ NA	+ NA	+ NA	+ NA	+ NA	+ NA	+ NA
Other Communist	2,800,000	2,950,000	2,630,000	2,500,000	2,000,000	1,950,000	1,850,000	1,800,000
Total Communist	**86,565,000**	**85,845,000**	**85,115,000**	**84,600,000**	**84,100,000**	**81,370,000**	**79,250,000**	**79,200,000**
Total World	**648,524,712**	**670,708,750**	**670,189,406**	**669,302,800**	**698,667,400**	**700,141,060**	**697,449,800**	**887,348,400**

* Brunei includes Malaysia through 1975.
+ Included in Other Communist.

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Worldwide Natural Gas Reserves
By Country
Estimated at January 1
Billions of cubic feet

	1967	1968	1969	1970	1971	1972	1973	1974	1975
United States	287,000	292,596	294,300	283,000	265,000	269,596	271,455	247,310	250,000
Canada	45,000	48,000	46,500	50,650	60,451	54,378	55,000	50,299	52,500
Argentina	8,000	7,960	8,500	8,000	8,800	7,600	8,800	8,000	7,500
Bahamas	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barbados	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bolivia	5,000	4,050	5,000	100,000	5,000	5,000	5,000	10,000	11,000
Brazil	500	877	1,000	5,000	6,000	5,000	918	921	914
Chile	2,000	3,530	3,000	2,500	2,000	2,200	5,000	3,400	2,800
Colombia	3,500	4,030	3,500	3,000	2,800	2,500	2,400	2,500	4,000
Ecuador	50	65	150	150	5,000	6,000	500	5,000	5,000
Guatemala	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mexico	13,500	11,596	11,500	12,000	10,000	11,500	11,500	11,000	15,000
Peru	1,000	2,012	1,750	2,500	3,000	2,500	3,000	3,500	5,000
Trinidad & Tobago	1,000	1,211	1,000	5,000	3,500	5,000	7,500	5,000	6,000
Venezuela	30,000	31,770	27,500	25,000	27,000	25,400	34,600	42,000	43,000
Latin America	**64,550**	**67,101**	**62,900**	**163,150**	**73,100**	**72,700**	**79,218**	**91,321**	**100,214**
Western Hemisphere	**396,550**	**407,697**	**403,700**	**496,800**	**398,551**	**396,672**	**405,673**	**388,930**	**402,714**
Austria	960	965	800	1,000	431	550	500	589	953
Denmark	NA	NA	NA	NA	NA	500	1,800	1,800	500
France	7,000	8,500	8,500	10,600	7,200	6,900	6,800	6,500	5,800
Germany, West	7,800	8,500	10,200	12,100	11,900	14,000	12,700	12,308	11,473
Greece	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ireland	NA	NA	NA	NA	NA	NA	NA	NA	NA
Italy	4,422	5,500	6,500	6,300	5,000	6,000	6,100	5,300	12,000
Netherlands	57,500	82,000	82,176	82,300	83,000	83,000	88,000	92,000	94,800
Norway	NA	NA	NA	NA	3,000	10,000	15,000	23,000	24,700
Spain	NA	NA	NA	NA	NA	500	500	500	600
Switzerland	NA	NA	NA	NA	NA	NA	NA	NA	NA
Turkey	NA	500	200	200	190	170	150	200	250
United Kingdom	10,000	25,000	30,000	35,000	36,000	40,000	45,000	50,000	50,000
Western Europe	**87,682**	**130,965**	**138,376**	**147,500**	**146,721**	**161,620**	**176,550**	**192,197**	**201,076**
Afghanistan	2,400	5,000	5,240	5,100	5,000	4,900	5,000	4,900	3,530
Australia	5,000	8,000	16,000	16,000	12,600	24,800	36,236	37,700	38,000
Bangladesh	NA	NA	NA	NA	NA	NA	8,000	8,000	10,000
Brunei	* 500	* 700	* 650	* 5,000	* 6,000	* 7,500	* 10,000	* 20,000	* 22,000
Burma	150	150	125	100	80	100	120	200	150
India	756	1,500	1,500	2,000	1,800	1,500	2,300	2,000	2,500
Indonesia	2,500	2,500	2,500	2,300	3,000	4,500	5,500	15,000	15,000
Japan	200	500	250	600	550	400	400	700	1,700
Malaysia	* NA	* NA	* NA	* NA	* NA	* NA	* NA	* NA	* NA
New Zealand	444	450	500	500	6,500	6,000	17,000	15,000	5,000
Pakistan	20,300	20,300	25,000	35,000	20,000	19,500	16,000	10,120	16,000
Papua, New Guinea	NA	NA	NA	NA	NA	NA	NA	NA	NA
Philippines	NA	NA	NA	NA	NA	NA	180	180	0
Taiwan	200	950	959	900	800	600	500	400	1,000
Thailand	NA	NA	NA	NA	NA	NA	NA	NA	1,000
Asia-Pacific	**32,450**	**40,050**	**52,724**	**67,500**	**56,330**	**69,800**	**101,236**	**114,200**	**115,880**

Worldwide Natural Gas Reserves
By Country
Estimated at January 1
Billions of cubic feet

	1967	1968	1969	1970	1971	1972	1973	1974	1975
Abu Dhabi	7,500	8,000	7,500	10,000	9,500	10,000	12,000	12,500	200,000
Bahrain	100	100	100	1,000	5,000	5,000	5,000	4,000	6,600
Dubai	NA	NA	500	500	750	1,000	1,000	1,000	1,500
Iran	109,500	109,500	100,000	100,000	214,000	200,000	200,000	270,000	330,000
Iraq	20,000	20,000	20,000	19,000	18,500	22,000	25,000	22,000	27,500
Israel	70	70	75	75	72	60	50	25	20
Kuwait	40,000	34,500	39,100	39,000	38,000	35,000	33,000	32,500	32,000
Neutral Zone	3,500	3,500	4,000	3,500	8,000	8,000	7,500	8,000	7,500
North Yemen	0	0	0	0	0	0	0	0	0
Oman	NA	1,500	1,500	1,500	2,000	2,000	1,750	2,000	2,100
Qatar	7,500	7,500	7,300	10,000	8,000	8,000	8,000	8,000	8,000
Ra's al Khaymah	NA	NA	NA	NA	NA	NA	NA	NA	NA
Saudi Arabia	26,400	35,000	43,000	50,000	49,500	52,000	50,000	50,900	55,000
Sharjah	NA	NA	NA	NA	NA	NA	NA	1,500	1,500
Syria	500	500	500	500	750	700	700	700	700
Middle East	**215,070**	**220,170**	**223,575**	**235,075**	**354,072**	**343,760**	**344,000**	**413,125**	**672,420**
Algeria	140,000	140,000	135,000	150,000	141,000	106,500	105,000	105,945	229,000
Angola-Cabinda	100	150	625	625	1,000	1,500	1,000	1,500	1,400
Cameroon	NA	NA	NA	NA	NA	NA	NA	NA	NA
Congo	NA	NA	NA	NA	NA	NA	NA	1,000	1,000
Egypt	530	1,300	2,800	5,000	5,000	7,500	7,500	4,200	3,500
Gabon	5,000	5,000	4,500	5,000	7,000	6,500	7,000	6,500	7,000
Ghana	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ivory Coast	NA	NA	NA	NA	NA	NA	NA	NA	NA
Libya	7,000	15,000	20,000	30,000	30,000	29,500	27,500	27,000	26,500
Morocco	25	23	20	18	16	18	15	25	24
Mozambique	1,000	1,000	1,000	1,000	NA	NA	NA	NA	NA
Nigeria	4,000	4,000	3,900	5,000	6,000	40,000	40,000	40,000	45,000
Somalia	NA	NA	NA	NA	NA	NA	NA	NA	NA
South Africa	NA	NA	NA	500	500	NA	NA	NA	NA
Sudan	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tanzania	NA	NA	NA	NA	NA	NA	0	0	0
Tunisia	500	750	500	1,000	1,000	1,500	1,000	1,500	1,500
Zaire	NA	NA	NA	NA	NA	NA	NA	50	50
Africa	**158,155**	**167,223**	**168,345**	**198,143**	**191,516**	**193,018**	**189,015**	**187,720**	**314,974**
Eastern Hemisphere	**493,357**	**558,408**	**583,020**	**648,218**	**748,639**	**768,198**	**810,801**	**907,242**	**1,304,350**
Total Non-Communist	**889,907**	**966,105**	**986,720**	**1,145,018**	**1,147,190**	**1,164,870**	**1,216,474**	**1,296,172**	**1,707,064**
China	NA	NA	NA	NA	NA	NA	NA	NA	NA
U.S.S.R.	NA	NA	NA	NA	NA	NA	NA	NA	NA
Yugoslavia	900	3,500	3,000	3,500	1,200	1,800	2,000	1,800	2,000
Other Communist	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Communist	**150,900**	**219,000**	**346,000**	**353,500**	**441,200**	**559,800**	**666,400**	**737,200**	**848,000**
Total World	**1,040,807**	**1,185,105**	**1,332,720**	**1,498,518**	**1,588,390**	**1,724,670**	**1,882,874**	**2,033,372**	**2,555,064**

Worldwide Natural Gas Reserves
By Country
Estimated at January 1
Billions of cubic feet

	1976	1977	1978	1979	1980	1981	1982	1983	1984
United States	215,000	220,000	210,000	205,000	194,000	191,000	198,000	204,000	198,000
Canada	53,400	56,000	58,000	59,000	85,500	87,300	89,900	97,000	90,500
Argentina	7,200	6,800	8,120	12,000	15,200	22,000	23,400	25,200	24,420
Bahamas	NA	300	0	0	0	1	1	1	NA
Barbados	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bolivia	10,800	5,000	5,000	6,000	5,400	4,200	5,400	5,700	4,900
Brazil	927	900	1,200	1,500	1,500	1,500	1,848	2,330	2,669
Chile	2,300	2,000	2,000	2,500	2,500	2,500	2,620	2,515	2,400
Colombia	4,000	5,000	6,360	4,800	5,000	6,000	4,362	4,580	4,300
Ecuador	5,000	12,000	5,000	4,000	4,000	4,000	4,300	4,100	3,526
Guatemala	NA	NA	NA	NA	NA	10	40	35	33
Mexico	12,000	12,000	30,000	32,000	59,000	64,500	75,350	75,850	75,352
Peru	2,260	2,200	1,300	1,150	1,100	1,100	1,202	1,201	1,150
Trinidad & Tobago	4,000	3,425	8,500	8,000	8,000	1,200	10,800	11,000	13,100
Venezuela	42,000	40,700	41,000	41,000	42,800	42,000	47,000	54,079	54,546
Latin America	**90,487**	**90,325**	**108,480**	**112,950**	**144,500**	**149,011**	**176,323**	**186,591**	**186,396**
Western Hemisphere	**358,887**	**366,325**	**376,480**	**376,950**	**424,000**	**427,311**	**464,223**	**487,591**	**474,896**
Austria	775	705	490	420	406	365	345	337	530
Denmark	500	700	1,700	2,500	2,820	4,000	2,000	2,300	2,887
France	5,300	5,000	4,800	6,500	6,300	6,000	2,720	2,700	2,422
Germany, West	8,300	7,500	7,300	6,300	6,350	6,000	6,180	6,319	6,800
Greece	8,000	8,000	4,000	4,000	4,000	4,000	3,800	3,500	3,470
Ireland	1,000	1,000	1,000	1,000	1,000	950	860	NA	700
Italy	10,000	6,600	8,300	8,000	3,500	3,500	3,650	4,320	4,340
Netherlands	70,000	61,900	60,000	62,000	59,500	62,000	55,700	51,920	50,050
Norway	25,000	18,500	20,000	24,000	23,500	42,700	49,370	58,000	58,800
Spain	500	500	200	200	2,000	3,500	25	1,940	2,225
Switzerland	NA	NA	NA	NA	NA	NA	NA	NA	4
Turkey	538	540	540	500	500	490	550	545	1,010
United Kingdom	50,000	30,000	29,000	27,000	25,000	24,800	26,000	25,400	25,100
Western Europe	**179,913**	**140,945**	**137,330**	**142,420**	**134,876**	**158,305**	**151,200**	**157,281**	**158,338**
Afghanistan	3,500	2,750	2,600	NA	NA	NA	NA	NA	NA
Australia	32,500	32,300	32,000	31,000	31,000	30,000	18,700	17,768	17,682
Bangladesh	10,000	8,000	8,000	8,000	8,000	8,000	7,000	7,000	7,000
Brunei	8,700	8,400	8,250	8,000	7,700	7,300	7,100	6,800	7,050
Burma	160	150	150	150	135	180	170	190	180
India	2,400	3,500	3,500	3,500	9,300	12,000	12,430	14,508	14,826
Indonesia	15,000	24,000	24,000	24,000	24,000	23,500	27,400	29,600	30,200
Japan	1,900	2,100	525	500	600	500	800	720	900
Malaysia	15,000	15,000	17,000	17,000	17,000	15,000	19,000	34,000	48,000
New Zealand	5,000	6,190	6,000	6,000	6,000	6,100	6,020	5,545	5,533
Pakistan	16,400	15,820	15,500	16,000	15,800	15,100	16,400	18,540	15,800
Papua, New Guinea	NA	NA	NA	NA	NA	NA	NA	NA	NA
Philippines	0	0	0	0	0	10	16	16	14
Taiwan	1,000	800	700	700	650	600	580	560	550
Thailand	0	1,000	4,500	5,000	8,000	8,000	12,000	11,000	8,500
Asia-Pacific	**111,560**	**120,010**	**122,725**	**119,850**	**128,185**	**126,290**	**127,616**	**146,247**	**156,235**

Worldwide Natural Gas Reserves
By Country
Estimated at January 1
Billions of cubic feet

	1976	1977	1978	1979	1980	1981	1982	1983	1984
Abu Dhabi	20,000	20,000	20,000	20,000	19,000	20,000	19,500	19,260	20,500
Bahrain	5,500	3,000	3,000	7,000	9,000	9,000	8,600	7,890	7,400
Dubai	1,500	1,500	1,500	1,600	1,500	775	750	4,320	4,320
Iran	329,500	330,000	500,000	500,000	490,000	485,000	484,000	482,600	480,000
Iraq	27,100	27,000	28,000	27,800	27,500	27,450	27,300	28,800	29,000
Israel	20	20	20	60	100	100	90	85	10
Kuwait	31,800	31,700	31,500	31,300	31,000	30,800	30,500	29,900	31,000
Neutral Zone	7,500	5,000	5,000	5,000	5,000	4,800	8,300	8,380	8,307
North Yemen	0	0	0	0	0	0	0	0	0
Oman	2,000	2,000	2,000	2,000	2,000	2,500	2,700	2,690	2,810
Qatar	7,500	27,500	40,000	40,000	60,000	60,000	60,000	62,000	62,000
Ra's al Khaymah	NA	NA	NA	NA	NA	NA	NA	NA	400
Saudi Arabia	103,000	86,000	85,000	93,900	93,230	110,000	114,000	117,000	121,000
Sharjah	1,450	1,000	0	0	0	0	3,000	5,000	6,000
Syria	1,240	1,200	3,100	1,500	1,500	1,500	3,200	1,260	1,290
Middle East	**538,110**	**535,920**	**719,120**	**730,160**	**739,830**	**751,925**	**761,940**	**769,185**	**774,037**
Algeria	126,000	125,800	125,000	105,000	132,000	131,500	130,900	111,250	110,180
Angola-Cabinda	1,500	1,500	1,500	1,200	1,175	1,050	1,030	1,470	1,550
Cameroon	NA	NA	NA	NA	NA	NA	4,600	4,450	4,200
Congo	1,000	7	10	2,260	2,200	2,000	2,500	2,700	2,150
Egypt	4,000	2,800	3,200	3,000	3,000	2,970	2,960	7,180	7,100
Gabon	2,500	2,500	2,450	2,400	500	500	490	485	500
Ghana	NA	NA	NA	NA	NA	NA	NA	NA	4
Ivory Coast	NA	NA	NA	NA	NA	NA	37	3,040	3,020
Libya	26,300	25,800	25,700	24,200	24,000	23,800	23,200	21,500	21,350
Morocco	22	20	44	30	25	NA	NA	NA	NA
Mozambique	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nigeria	44,300	44,000	43,000	42,000	41,400	41,000	40,500	32,400	34,800
Somalia	NA	NA	NA	NA	NA	NA	NA	NA	NA
South Africa	NA	NA	NA	NA	NA	NA	NA	400	400
Sudan	NA	NA	100	100	NA	NA	NA	NA	NA
Tanzania	0	0	50	50	0	0	0	200	200
Tunisia	1,480	6,600	6,400	6,000	6,000	5,600	5,400	4,300	4,150
Zaire	50	50	50	50	50	50	50	48	40
Africa	**207,152**	**209,077**	**207,504**	**186,290**	**210,350**	**208,470**	**211,667**	**189,423**	**189,644**
Eastern Hemisphere	**1,036,735**	**1,005,952**	**1,186,679**	**1,178,720**	**1,213,241**	**1,244,990**	**1,252,423**	**1,262,136**	**1,278,254**
Total Non-Communist	**1,395,622**	**1,372,277**	**1,563,159**	**1,555,670**	**1,637,241**	**1,672,301**	**1,716,646**	**1,749,727**	**1,753,150**
China	NA	25,000	25,000	25,000	25,000	24,500	24,400	29,800	30,300
U.S.S.R.	NA	918,000	920,000	910,000	900,000	920,000	1,160,000	1,240,000	1,400,000
Yugoslavia	1,500	1,500	1,400	1,340	1,000	1,500	+ NA	+ NA	+ NA
Other Communist	NA	10,000	10,000	10,000	10,000	9,400	10,300	14,000	16,500
Total Communist	**836,500**	**954,500**	**956,400**	**946,340**	**936,000**	**955,400**	**1,194,700**	**1,283,800**	**1,446,800**
Total World	**2,232,122**	**2,326,777**	**2,519,559**	**2,502,010**	**2,573,241**	**2,627,701**	**2,911,346**	**3,033,527**	**3,199,950**

Worldwide Natural Gas Reserves
By Country
Estimated at January 1
Billions of cubic feet

	1985	1986	1987	1988
United States	**198,000**	**197,000**	**185,400**	**186,700**
Canada	**92,300**	**99,700**	**99,600**	**98,000**
Argentina	24,628	23,588	23,000	23,600
Bahamas	NA	NA	NA	NA
Barbados	NA	NA	NA	10
Bolivia	4,270	4,700	4,840	5,040
Brazil	2,840	3,060	3,200	3,600
Chile	2,360	2,300	4,200	4,200
Colombia	3,786	4,130	4,000	3,600
Ecuador	3,000	4,090	4,050	4,020
Guatemala	30	30	30	20
Mexico	77,000	76,954	76,500	76,530
Peru	1,100	852	850	650
Trinidad & Tobago	10,550	10,500	10,400	10,390
Venezuela	55,367	59,067	59,000	95,000
Latin America	**184,931**	**189,271**	**190,070**	**226,660**
Western Hemisphere	**475,231**	**485,971**	**475,070**	**511,360**
Austria	530	520	420	420
Denmark	3,500	3,900	3,400	4,400
France	1,500	1,400	1,230	1,170
Germany, West	5,957	6,424	6,500	6,400
Greece	3,440	3,000	NA	20
Ireland	800	900	1,940	1,900
Italy	4,360	5,000	8,000	10,200
Netherlands	68,482	67,070	70,400	64,100
Norway	89,000	104,000	103,180	105,940
Spain	700	700	800	600
Switzerland	4	3	NA	NA
Turkey	600	490	460	1,030
United Kingdom	27,800	33,000	33,400	22,000
Western Europe	**206,673**	**226,407**	**229,730**	**218,180**
Afghanistan	NA	NA	NA	NA
Australia	17,850	18,220	18,680	18,610
Bangladesh	7,000	11,800	12,710	12,720
Brunei	7,300	7,400	7,060	7,010
Burma	170	160	9,460	9,460
India	15,000	16,880	17,550	17,550
Indonesia	40,000	35,600	49,440	73,000
Japan	720	1,100	1,090	1,030
Malaysia	50,000	52,700	49,440	52,200
New Zealand	5,438	5,515	5,690	5,200
Pakistan	15,760	15,400	18,700	22,400
Papua, New Guinea	500	500	500	1,000
Philippines	12	11	10	10
Taiwan	540	811	910	890
Thailand	5,900	5,400	7,400	3,720
Asia-Pacific	**166,190**	**171,497**	**198,640**	**224,800**

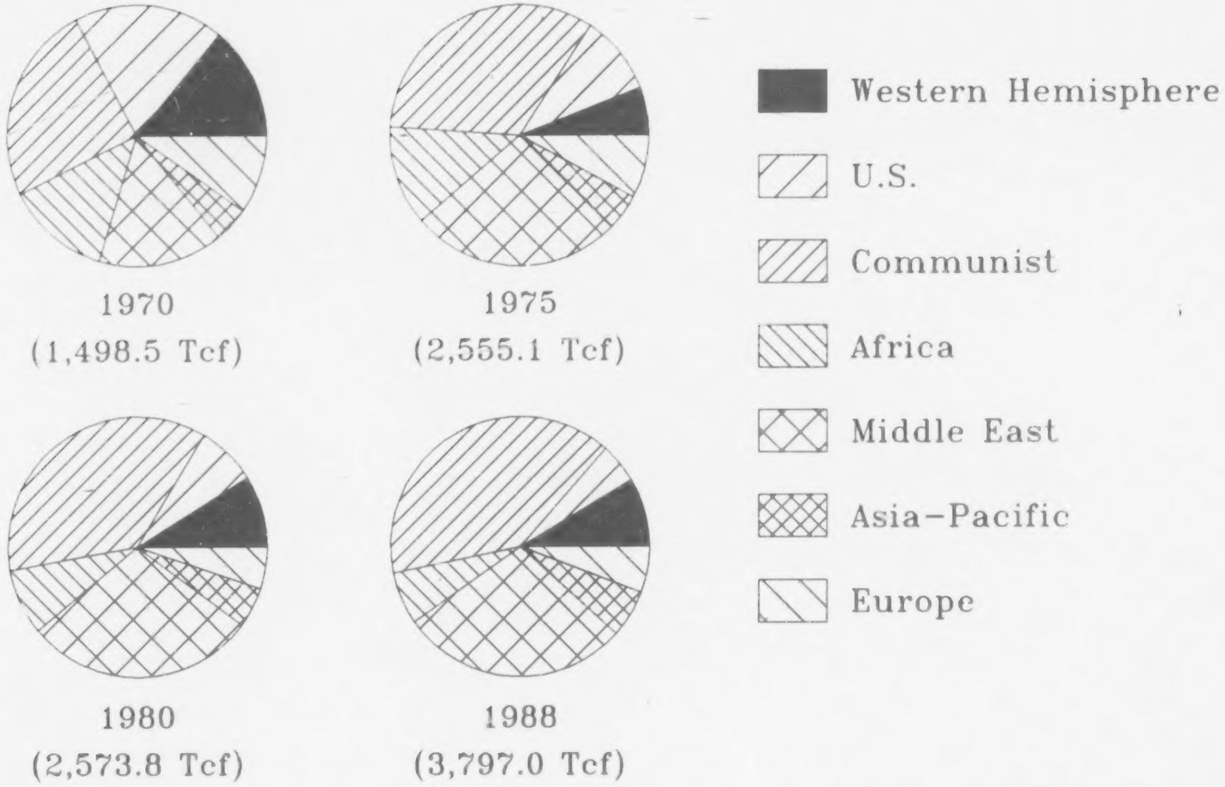
Worldwide Natural Gas Reserves
By Country
Estimated at January 1
Billions of cubic feet

	1985	1986	1987	1988
Abu Dhabi	20,750	20,500	90,000	183,500
Bahrain	7,260	7,103	7,000	6,900
Dubai	4,320	4,400	4,400	6,000
Iran	478,600	470,000	450,000	489,400
Iraq	28,800	29,000	28,000	26,300
Israel	8	10	10	30
Kuwait	32,500	32,500	35,000	36,400
Neutral Zone	8,290	8,210	12,400	12,300
North Yemen	0	0	600	1,600
Oman	7,377	6,000	7,500	9,500
Qatar	150,000	148,000	152,000	156,700
Ra's al Khaymah	400	400	1,200	2,000
Saudi Arabia	123,270	121,000	123,990	139,900
Sharjah	6,500	7,500	9,000	12,000
Syria	1,280	1,240	4,200	1,500
Middle East	**869,355**	**855,863**	**925,300**	**1,084,030**
Algeria	109,100	107,080	106,000	105,900
Angola-Cabinda	1,650	1,870	1,800	1,760
Cameroon	4,150	3,880	3,800	3,880
Congo	2,118	2,470	2,500	2,470
Egypt	7,000	7,060	8,900	10,240
Gabon	550	420	500	600
Ghana	4	4	NA	NA
Ivory Coast	3,000	2,118	3,400	3,530
Libya	21,200	21,390	21,180	25,700
Morocco	NA	NA	130	70
Mozambique	NA	NA	NA	2,200
Nigeria	35,600	47,000	47,000	84,000
Somalia	NA	NA	NA	210
South Africa	350	NA	NA	980
Sudan	NA	NA	NA	NA
Tanzania	200	800	3,000	4,100
Tunisia	2,224	4,200	3,200	2,960
Zaire	30	30	30	30
Africa	**187,176**	**198,322**	**201,440**	**248,830**
Eastern Hemisphere	**1,429,394**	**1,452,089**	**1,555,110**	**1,775,840**
Total Non-Communist	**1,904,825**	**1,938,060**	**2,030,180**	**2,287,000**
China	30,900	30,000	30,000	30,700
U.S.S.R.	1,450,000	1,500,000	1,550,000	1,450,000
Yugoslavia	+ NA	+ NA	+ NA	+ NA
Other Communist	16,500	16,000	15,800	29,300
Total Communist	**1,497,400**	**1,546,000**	**1,595,800**	**1,510,000**
Total World	**3,402,025**	**3,484,060**	**3,625,980**	**3,797,000**

* Brunei includes Malaysia through 1975.
+ Yugoslavia included in Other Communist.

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Worldwide Natural Gas Reserve
January 1



Source: OGJ

Refining

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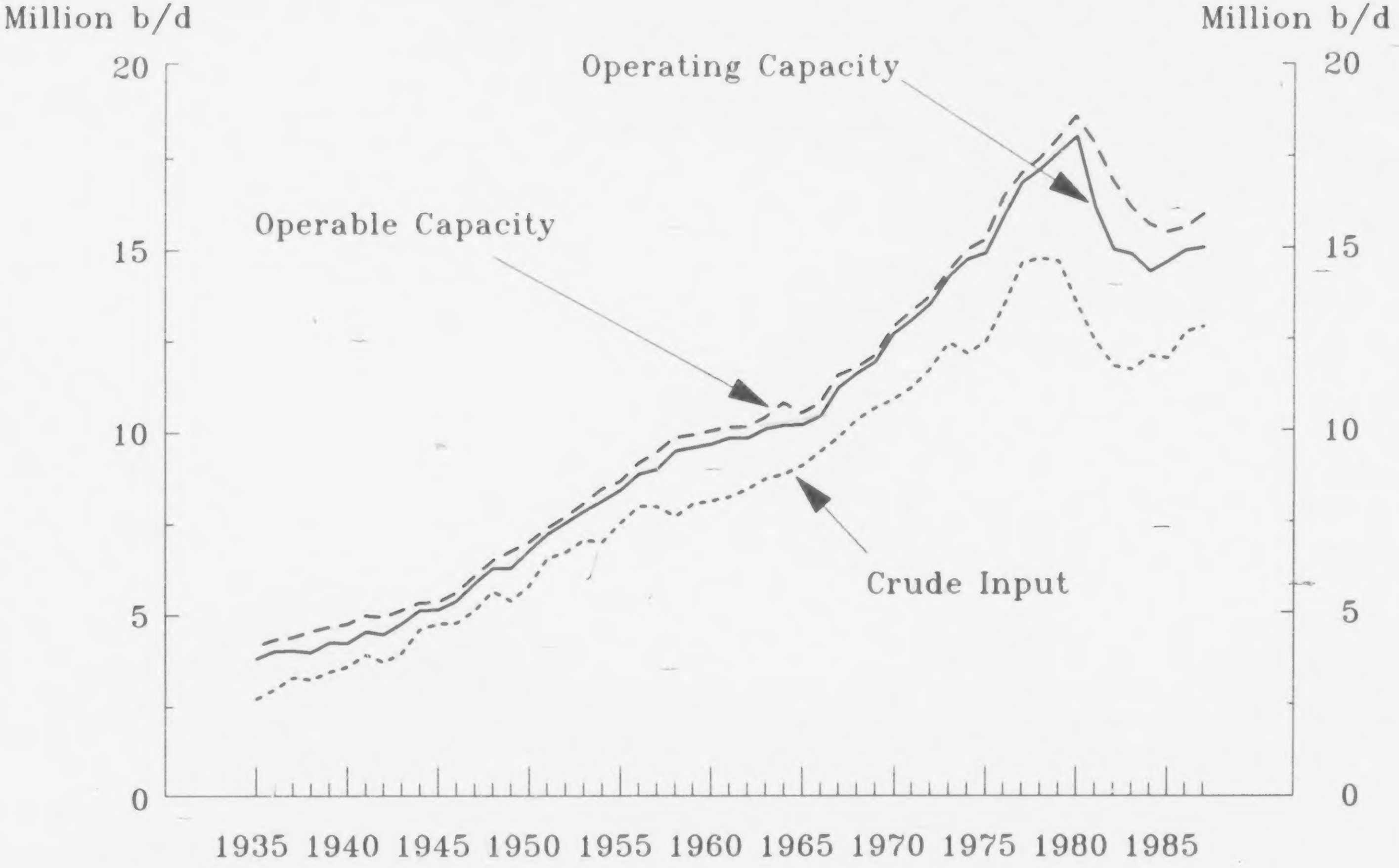
U.S. Refinery Capacity and Crude Input



Source: BOM, EIA

U.S. Refinery Capacity and Input
Thousands of barrels per day

	Operable Refinery Capacity Dec. 31	Operating Refinery Capacity Dec. 31	Crude Input to Refineries	Total Input to Refineries		Operable Refinery Capacity Dec. 31	Operating Refinery Capacity Dec. 31	Crude Input to Refineries	Total Input to Refineries
1923	2,814.3	2,480.9	1,592.4	1,610.8	1957	9,407.7	8,939.9	7,919.0	8,330.2
1924	3,853.8	2,511.8	1,758.8	1,799.1	1958	9,819.9	9,450.7	7,642.2	8,018.3
1925	2,853.0	2,562.4	2,027.2	2,081.0	1959	9,901.4	9,543.3	7,993.6	8,413.7
1926	3,061.0	2,834.3	2,135.0	2,210.8	1960	10,010.1	9,629.7	8,067.0	8,522.8
1927	3,250.4	3,036.1	2,270.8	2,358.9	1961	10,105.2	9,812.3	8,184.0	8,648.2
1928	3,509.5	3,325.9	2,495.3	2,591.6	1962	10,118.3	9,814.8	8,409.9	8,910.9
1929	3,765.6	3,634.8	2,706.0	2,833.3	1963	10,385.4	10,063.2	8,686.7	9,207.9
1930	3,942.7	3,706.6	2,541.0	2,659.2	1964	10,774.6	10,161.3	8,806.9	9,389.7
1931	4,014.6	3,625.0	2,451.0	2,547.2	1965	10,492.7	10,171.2	9,043.4	9,661.7
1932	3,889.5	3,445.1	2,240.4	2,312.4	1966	10,759.6	10,412.4	9,444.4	10,089.9
1933	3,918.2	3,553.6	2,359.6	2,429.0	1967	11,532.9	11,172.7	9,815.3	10,486.0
1934	4,058.5	3,614.7	2,453.8	2,531.0	1968	11,739.5	11,575.8	10,312.5	11,030.3
1935	4,117.1	3,749.8	2,646.0	2,731.0	1969	12,074.3	11,882.4	10,629.1	11,365.5
1936	4,294.9	3,966.6	2,919.6	3,012.0	1970	12,860.2	12,658.3	10,869.3	11,753.9
1937	4,351.2	3,970.2	3,242.3	3,350.2	1971	13,292.5	13,034.8	11,199.5	12,116.2
1938	4,508.6	3,933.8	3,191.8	3,301.3	1972	13,671.4	13,482.9	11,696.3	12,691.1
1939	4,628.7	4,196.7	3,391.3	3,499.9	1973	14,361.5	14,220.3	12,430.8	13,400.6
1940	4,719.0	4,180.6	3,536.0	3,644.0	1974	14,960.7	14,696.8	12,133.5	13,017.9
1941	4,956.6	4,496.8	3,860.8	3,991.8	1975	15,236.6	14,867.5	12,442.3	13,225.2
1942	4,902.0	4,409.0	3,655.1	3,810.1	1976	16,398.4	15,861.7	13,416.0	14,200.1
1943	5,093.0	4,709.4	3,917.1	4,084.8	1977	17,047.7	16,793.7	14,602.4	15,349.3
1944	5,301.2	5,077.7	4,551.0	4,734.7	1978	17,440.9	17,147.9	14,739.0	15,470.1
1945	5,315.9	5,086.2	4,711.1	4,903.7	1979	17,991.1	17,610.4	14,647.6	15,236.1
1946	5,569.5	5,336.4	4,740.3	4,912.5	1980	18,620.5	18,051.3	13,481.3	14,024.7
1947	6,034.3	5,825.6	5,074.6	5,268.3	1981	17,889.7	16,103.6	12,470.5	13,482.4
1948	6,439.0	6,230.5	5,596.6	5,804.8	1982	16,859.3	14,960.6	11,773.6	12,860.5
1949	6,696.3	6,223.0	5,326.6	5,560.8	1983	16,137.1	14,837.7	11,685.1	12,650.2
1950	6,963.6	6,701.8	5,739.4	5,998.6	1984	15,658.8	14,360.6	12,044.2	13,125.6
1951	7,332.9	7,161.4	6,494.3	6,766.2	1985	15,459.0	14,638.5	12,002.0	13,192.2
1952	7,638.7	7,481.7	6,670.1	6,954.0	1986	15,565.5	14,940.5	12,715.9	13,906.2
1953	8,006.9	7,782.1	6,999.6	7,304.5	1987	15,915.4	15,018.0	12,854.2	13,987.4
1954	8,420.6	8,069.2	6,957.7	7,279.8					
1955	8,632.4	8,380.8	7,480.0	7,826.3					
1956	9,123.7	8,808.8	7,937.4	8,306.5					

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Total Refinery Operable Capacity
Total U.S.
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1980	17,830	18,196	18,215	18,213	18,249	18,254	18,281	18,305	18,478	18,413	18,424	18,477	**18,277.9**
1981	18,621	18,657	18,656	18,684	18,697	18,695	18,656	18,685	18,636	18,442	18,449	18,364	**18,603.5**
1982	17,890	17,844	17,800	17,767	17,778	17,261	17,203	17,171	17,001	17,221	17,193	17,076	**17,433.8**
1983	16,859	16,875	16,855	16,855	16,856	16,838	16,842	16,742	16,296	16,320	16,349	16,342	**16,669.1**
1984	16,137	16,144	16,114	16,123	16,069	16,069	16,085	16,040	15,994	16,005	15,875	15,745	**16,033.3**
1985	15,659	15,559	15,582	15,640	15,658	15,669	15,670	15,734	15,728	15,733	15,730	15,687	**15,670.8**
1986	15,459	15,485	15,485	15,473	15,484	15,465	15,475	15,430	15,435	15,435	15,440	15,440	**15,458.8**
1987	15,566	15,548	15,559	15,565	15,565	15,588	15,701	15,598	15,593	15,592	15,888	15,946	**15,642.4**

Refinery Capacity Utilization
Total U.S.
Percentage Utilized

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1980	82.1	79.9	76.8	75.7	74.8	77.0	74.5	72.7	73.6	70.6	73.0	75.5	**75.5**
1981	72.5	70.8	67.7	65.7	67.2	68.1	67.4	70.6	68.4	67.0	68.2	69.2	**68.6**
1982	67.0	65.1	65.5	66.2	68.8	74.9	74.9	71.0	73.9	70.6	70.6	69.7	**69.9**
1983	68.0	65.1	66.0	69.6	71.6	74.9	74.9	73.8	78.1	73.4	74.8	69.9	**71.7**
1984	72.9	76.0	74.9	74.9	77.4	77.3	75.7	78.2	78.0	75.9	77.2	76.0	**76.2**
1985	74.0	73.8	73.7	76.5	78.4	79.3	80.8	77.7	76.9	78.6	80.3	81.2	**77.6**
1986	81.4	77.9	75.9	81.5	86.0	86.3	84.1	86.8	85.5	82.6	83.7	83.6	**82.9**
1987	81.8	79.9	78.6	81.2	82.5	85.4	86.7	86.7	85.5	82.7	82.3	83.9	**83.1**

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Crude Oil Input to Refineries
Total U.S.
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	12,190.4	12,187.3	12,200.7	12,208.0	12,280.7	12,862.3	12,749.5	12,635.5	12,559.6	12,757.8	12,374.1	12,149.6	**12,429.8**
1974	11,490.5	11,102.3	11,355.1	11,823.0	12,333.3	12,697.1	12,811.0	12,644.5	12,123.7	12,285.6	12,331.6	12,518.8	**12,126.4**
1975	12,296.5	12,134.9	11,905.0	11,803.5	11,983.3	12,416.7	12,915.4	13,046.2	12,944.8	12,365.5	12,689.3	12,779.1	**12,440.0**
1976	12,560.4	12,833.6	12,877.2	12,727.0	12,919.9	13,799.2	13,900.9	13,888.0	13,716.2	13,319.2	14,101.3	14,333.0	**13,414.7**
1977	14,129.8	14,734.1	14,263.3	14,176.9	14,592.7	14,864.6	14,881.7	14,642.3	14,923.8	14,654.3	14,636.0	14,748.5	**14,604.0**
1978	14,149.7	13,969.0	14,148.3	13,885.7	14,995.8	14,692.9	14,910.6	15,196.4	15,084.9	15,004.5	15,336.2	15,421.4	**14,733.0**
1979	14,839.7	14,314.3	14,260.1	14,570.9	14,449.9	14,805.9	15,098.5	14,966.8	14,593.9	14,422.8	14,537.3	14,876.5	**14,644.7**
1980	14,301.1	14,187.4	13,709.3	13,484.1	13,326.0	13,704.5	13,264.4	12,984.1	13,312.8	12,771.9	13,118.5	13,647.6	**13,484.3**
1981	13,247.5	12,902.5	12,383.0	12,090.5	12,309.1	12,414.6	12,260.7	12,908.2	12,505.1	12,057.2	12,240.0	12,348.8	**12,472.3**
1982	11 598.7	11,236.3	11,275.9	11,392.2	11,805.5	12,493.8	12,446.0	11,871.2	12,145.8	11,749.1	11,723.5	11,514.2	**11,771.0**
1983	11,143.3	10,632.9	10,859.2	11,433.3	11,800.1	12,284.3	12,359.7	12,152.3	12,481.5	11,781.7	12,004.4	11,234.1	**11,680.6**
1984	11,586.9	12,157.2	11,926.5	11,890.9	12,246.7	12,255.0	12,028.5	12,345.8	12,271.2	11,977.5	12,108.0	11,754.9	**12,045.8**
1985	11,444.7	11,366.8	11,371.6	11,804.5	12,093.5	12,292.0	12,445.1	12,045.5	11,924.5	12,208.5	12,409.8	12,569.9	**11,998.0**
1986	12,373.5	11,917.8	11,651.9	12,512.4	13,278.8	13,261.2	12,917.0	13,286.8	13,096.9	12,635.9	12,830.8	12,777.3	**12,711.7**
1987	12,569.5	12,289.8	12,080.5	12,512.1	12,652.5	13,201.6	13,430.1	13,379.9	13,168.4	12,732.6	12,981.2	13,211.9	**12,850.8**

Crude Oil Input to Refineries
Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	377,903	341,244	378,221	366,239	380,702	385,869	395,236	391,699	376,789	395,491	371,224	376,637	**4,537,254**
1974	356,206	310,863	352,008	354,689	382,331	380,912	397,142	391,978	363,711	380,854	369,948	388,084	**4,428,728**
1975	381,193	339,777	369,056	354,104	371,481	372,502	400,376	404,433	388,344	383,329	380,679	396,152	**4,541,428**
1976	389,373	372,174	399,192	381,810	400,516	413,975	430,928	430,529	411,486	412,896	423,039	444,322	**4,910,240**
1977	438,023	412,555	442,162	425,308	452,374	445,937	461,333	453,912	447,713	454,283	439,081	457,202	**5,329,883**
1978	438,640	391,133	438,598	416,572	464,871	440,786	462,228	471,087	452,548	465,141	460,086	478,063	**5,379,753**
1979	460,031	400,800	442,064	437,126	447,948	444,178	468,053	463,971	437,817	447,107	436,120	461,173	**5,346,388**
1980	443,333	411,436	424,987	404,524	413,107	411,136	411,197	402,507	399,383	395,929	393,555	423,075	**4,934,169**
1981	410,672	361,270	383,872	362,716	381,583	372,437	380,083	400,155	375,153	373,772	367,200	382,812	**4,551,725**
1982	359,560	314,616	349,553	341,765	365,972	374,814	385,825	368,008	364,374	364,221	351,706	356,941	**4,297,355**
1983	345,442	297,722	336,634	343,000	365,803	368,529	383,152	376,722	374,445	365,232	360,131	348,256	**4,265,068**
1984	359,193	352,560	369,720	356,726	379,649	367,649	372,882	382,721	368,136	371,304	363,240	364,403	**4,408,183**
1985	354,785	318,271	352,520	354,136	374,900	368,760	385,799	373,409	357,735	378,464	372,294	389,668	**4,380,741**
1986	383,580	333,697	361,208	375,371	411,643	397,836	400,428	411,891	392,907	391,713	384,925	396,097	**4,641,296**
1987	389,656	344,113	374,496	375,364	392,228	396,048	416,334	414,778	395,051	394,712	389,435	409,568	**4,691,783**

Data from Oil & Gas Journal Energy Database
Source: Bureau of Mines, Energy Information Administration

Total Input to Refineries
Total U.S.
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	13,388.5	13,151.6	12,833.4	12,879.9	13,160.2	13,861.5	13,816.6	13,778.8	13,476.9	13,718.1	13,404.3	13,314.0	**13,398.6**
1974	12,474.7	12,137.0	11,882.5	12,680.1	13,027.5	13,510.4	13,761.1	13,670.2	13,066.3	13,162.2	13,254.3	13,518.3	**13,012.0**
1975	13,388.5	12,886.0	12,569.6	12,410.8	12,454.0	14,266.0	13,743.3	13,743.3	13,649.4	13,209.1	13,440.2	13,700.5	**13,288.4**
1976	13,381.6	13,740.4	13,473.9	13,482.7	13,703.8	14,549.5	14,626.8	14,797.7	14,421.7	14,078.5	14,830.6	15,299.9	**14,198.9**
1977	15,130.6	15,631.0	14,906.3	14,862.3	15,106.4	15,492.4	15,645.5	15,521.9	15,543.0	15,389.1	15,480.2	15,510.1	**15,351.6**
1978	14,994.9	14,577.2	14,768.4	14,551.8	15,592.7	15,479.6	15,582.8	16,015.9	15,923.3	15,510.5	16,201.7	16,364.6	**15,463.6**
1979	15,564.4	15,029.5	14,926.8	14,965.6	15,087.7	15,304.4	15,522.3	15,500.6	15,083.6	15,033.7	15,148.6	15,631.3	**15,233.2**
1980	15,183.3	14,819.3	14,069.5	13,741.7	13,642.8	14,124.5	13,829.0	13,537.5	13,774.7	13,382.5	13,896.7	14,328.5	**14,027.5**
1981	14,450.0	13,744.2	13,281.7	13,054.6	13,123.5	13,307.4	13,266.5	13,818.5	13,675.6	13,086.5	13,407.0	13,582.5	**13,483.2**
1982	12,613.1	12,226.2	12,289.8	12,445.2	12,864.1	13,568.0	13,554.5	12,868.3	13,169.0	12,969.8	12,923.6	12,794.5	**12,857.2**
1983	12,044.2	11,550.1	11,628.4	12,223.5	12,712.0	13,204.9	13,312.1	13,049.2	13,505.6	12,760.5	13,278.1	12,479.3	**12,845.7**
1984	12,496.7	13,235.3	12,741.6	12,767.2	13,254.6	13,724.1	13,281.9	13,224.6	13,253.3	13,008.8	13,428.4	13,119.2	**13,128.0**
1985	12,323.1	12,393.9	12,301.0	12,902.1	13,324.2	13,537.1	13,669.7	13,650.1	13,068.3	13,410.0	13,702.5	13,962.0	**13,187.0**
1986	13,704.5	12,990.6	12,756.3	13,528.3	14,356.1	14,342.8	14,180.6	14,591.7	14,231.3	13,633.9	14,188.1	14,302.8	**13,900.6**
1987	13,647.6	12,982.4	13,119.6	13,658.5	13,835.3	14,352.2	14,509.3	14,324.9	14,337.2	13,997.8	14,311.9	14,697.5	**13,981.2**

Total Input to Refineries
Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	415,042	368,244	397,834	386,396	407,967	415,845	428,315	427,144	404,308	425,262	402,129	412,734	**4,891,220**
1974	386,715	339,836	368,358	380,404	403,853	405,312	426,595	423,775	391,990	408,027	397,628	419,067	**4,751,560**
1975	415,045	360,809	389,659	372,324	386,073	427,981	426,043	426,043	409,481	409,481	403,206	424,715	**4,850,880**
1976	414,831	398,473	417,690	404,482	424,818	436,485	453,432	458,729	432,650	436,435	444,917	474,297	**5,197,239**
1977	469,048	437,668	462,096	445,868	468,298	464,771	485,009	481,179	466,289	477,061	464,407	480,813	**5,602,507**
1978	464,841	408,162	457,820	436,555	483,373	464,387	483,067	496,494	477,700	480,824	486,051	507,303	**5,646,577**
1979	482,497	420,827	462,730	448,968	467,719	459,131	481,190	480,518	452,507	466,046	454,458	484,570	**5,561,161**
1980	470,682	429,761	436,155	412,251	422,926	423,736	428,699	419,662	413,240	414,856	416,901	444,182	**5,133,051**
1981	447,951	384,838	411,733	391,639	406,829	399,221	411,263	428,375	410,268	405,682	402,209	421,056	**4,921,064**
1982	391,007	342,334	380,984	373,355	398,786	407,039	420,190	398,917	395,070	402,065	387,708	396,630	**4,694,085**
1983	373,369	323,402	360,480	366,706	394,072	396,147	412,676	404,525	405,168	395,574	398,342	386,859	**4,617,320**
1984	387,398	383,825	394,990	383,015	410,894	411,723	411,739	409,964	397,599	403,274	402,852	406,695	**4,803,968**
1985	382,015	347,028	381,331	387,062	413,050	406,112	423,761	423,152	392,050	415,710	411,075	432,823	**4,815,169**
1986	424,841	363,738	395,445	405,849	445,039	430,284	439,599	452,342	426,939	422,651	425,643	443,386	**5,075,756**
1987	423,077	363,507	406,709	409,755	428,893	430,566	449,789	444,072	430,115	433,931	429,356	455,622	**5,105,392**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Refinery Processing Gain
Total U.S.
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	457.7	409.9	401.7	373.5	533.4	493.9	470.8	470.3	458.4	503.1	430.2	431.7	**452.9**
1974	479.1	432.5	417.8	478.1	414.3	511.6	517.1	537.3	496.7	538.8	483.9	451.5	**479.9**
1975	518.8	438.3	420.7	381.1	411.9	432.3	431.1	445.5	528.0	513.1	494.6	498.4	**459.5**
1976	474.0	488.6	494.5	455.8	547.6	479.1	491.9	412.5	502.7	416.5	465.4	498.9	**477.3**
1977	537.5	513.9	514.6	478.1	435.6	467.3	553.7	580.7	506.2	551.6	575.0	575.4	**524.1**
1978	485.3	467.0	517.0	477.6	450.3	471.6	389.2	489.4	534.5	555.0	560.4	558.5	**496.3**
1979	441.9	462.1	430.7	430.6	517.8	589.5	538.3	585.2	584.0	519.0	598.8	625.5	**527.0**
1980	613.1	544.8	452.9	457.2	494.7	478.6	466.8	486.8	454.0	496.4	565.4	565.2	**506.3**
1981	497.7	543.7	508.9	490.5	522.5	485.6	539.9	535.5	516.6	533.0	576.3	616.7	**530.6**
1982	477.1	481.4	443.0	432.7	514.8	500.8	437.7	599.8	628.4	633.3	577.1	547.9	**522.9**
1983	484.6	490.3	450.6	449.1	523.7	503.9	467.6	488.6	504.5	519.4	543.4	429.4	**487.9**
1984	473.0	553.1	546.2	578.7	588.9	552.2	544.0	532.5	572.9	543.9	571.9	585.9	**553.6**
1985	526.6	508.3	494.4	527.9	515.4	600.8	601.8	613.4	545.9	571.5	561.9	616.1	**557.0**
1986	633.7	671.5	558.2	548.2	647.2	599.3	599.6	658.5	710.5	586.2	577.8	608.6	**616.6**
1987	691.1	637.8	593.8	642.2	671.6	597.6	617.6	618.9	676.5	623.3	618.5	679.3	**639.0**

Refinery Processing Gain
Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	14,188	11,476	12,452	11,205	16,536	14,817	14,596	14,579	13,752	15,596	12,907	13,384	**165,488**
1974	14,853	12,109	12,952	14,344	12,843	15,349	16,030	16,656	14,901	16,703	14,517	13,998	**175,255**
1975	16,084	12,272	13,043	11,434	12,768	12,970	13,365	13,812	15,841	15,905	14,839	15,449	**167,782**
1976	14,694	14,168	15,331	13,674	16,977	14,373	15,250	12,788	15,081	12,911	13,961	15,467	**174,675**
1977	16,663	14,390	15,954	14,343	13,503	14,020	17,165	18,002	15,187	17,100	17,251	17,837	**191,415**
1978	15,044	13,076	16,027	14,328	13,959	14,148	12,064	15,170	16,036	17,206	16,811	17,314	**181,183**
1979	13,700	12,938	13,352	12,917	16,051	17,686	16,686	18,141	17,520	16,090	17,965	19,391	**192,437**
1980	19,006	15,799	14,041	13,715	15,336	14,358	14,471	15,091	13,620	15,389	16,962	17,522	**185,310**
1981	15,428	15,223	15,775	14,715	16,198	14,567	16,7[illegible]	16,601	15,499	16,524	17,288	19,118	**193,672**
1982	14,791	13,480	13,734	12,982	15,959	15,025	13,570	18,594	18,853	19,633	17,314	16,985	**190,920**
1983	15,024	13,727	13,970	13,472	16,235	15,116	14,495	15,146	15,135	16,102	16,301	13,310	**178,033**
1984	14,663	16,040	16,931	17,362	18,256	16,567	16,863	16,508	17,188	16,860	17,157	18,164	**202,559**
1985	16,325	14,232	15,327	15,836	15,976	18,025	18,656	19,015	16,377	17,718	16,857	19,099	**203,443**
1986	19,646	18,801	17,304	16,447	20,062	17,980	18,587	20,414	21,314	18,173	17,335	18,867	**224,930**
1987	21,424	17,858	18,409	19,266	20,820	17,927	19,146	19,186	20,295	19,323	18,554	21,057	**233,265**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Average Percentage Product Yields
From U.S. Refineries
Percent

	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977
Asphalt & Road Oil	4.0	3.7	3.7	3.7	3.9	4.0	3.8	3.8	3.9	3.3	2.8	3.0
Distillate	22.5	22.2	22.1	21.7	22.4	22.0	22.2	22.5	21.8	21.3	21.8	22.4
Jet Fuel	6.2	7.5	8.3	8.2	7.5	7.4	7.2	6.8	6.8	7.0	6.8	6.6
Kerosine	2.9	2.7	2.7	2.6	2.3	2.1	1.8	1.7	1.3	1.2	1.1	1.2
LPG & Ethane	3.0	3.1	3.1	3.1	3.2	3.1	3.0	3.0	2.7	2.5	2.5	2.4
Lubricants	1.8	1.8	1.7	1.7	1.6	1.6	1.5	1.5	1.6	1.2	1.3	1.2
Motor Gasoline	44.4	44.0	43.9	44.8	45.3	46.2	46.2	45.6	45.9	46.5	45.5	43.4
Petrochemical Feedstocks	2.1	2.4	2.5	2.5	2.5	2.7	2.9	2.9	3.0	2.7	3.3	3.6
Petroleum Coke	2.5	2.5	2.5	2.6	2.7	2.6	2.8	2.9	2.8	2.8	2.6	2.5
Residual	7.6	7.7	7.2	6.8	6.4	6.6	6.8	7.7	8.7	9.9	10.3	12.0
Special Naphthas	0.9	0.8	0.7	0.7	0.8	0.7	0.7	0.7	0.8	0.6	0.7	0.6
Still Gas	3.9	3.9	4.0	4.1	4.1	3.8	3.9	3.9	3.9	3.9	3.7	3.6
Wax	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.1	0.1	0.1
Miscellaneous Products	0.5	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.5	0.7	1.0	1.0
Processing Gain (-) or Loss (+)	-2.5	-2.9	[illegible]	-3.1	-3.2	-3.4	-3.3	-3.6	-3.9	-3.7	-3.5	-3.6
Total Yield	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Asphalt & Road Oil	3.3	3.1	3.0	2.7	2.7	3.1	3.1	3.2	3.1	3.3
Distillate	21.4	21.5	19.7	20.5	21.5	20.5	21.5	21.6	21.2	20.5
Jet Fuel	6.6	6.9	7.4	7.6	8.1	8.7	9.3	9.8	10.0	10.2
Kerosine	1.0	1.3	1.0	0.9	0.9	0.9	0.9	0.8	0.7	0.6
LPG & Ethane	2.4	2.4	2.4	2.5	2.2	2.7	2.9	3.1	3.2	3.4
Lubricants	1.3	1.3	1.3	1.3	1.2	1.2	1.3	1.2	1.2	1.3
Motor Gasoline	44.1	43.0	44.5	44.8	46.2	47.4	46.5	45.6	45.7	46.4
Petrochemical Feedstocks	4.1	4.7	5.1	4.7	3.4	3.3	2.8	2.8	3.1	2.9
Petroleum Coke	2.5	2.6	2.7	3.1	3.4	3.5	3.5	3.7	3.8	3.8
Residual	11.3	11.5	11.7	10.4	8.8	7.1	7.1	7.1	6.7	6.6
Special Naphthas	0.7	0.6	0.7	0.6	0.4	0.5	0.4	0.4	0.4	0.4
Still Gas	3.7	3.8	4.0	4.3	4.6	4.6	4.5	4.7	4.9	4.8
Wax	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Miscellaneous Products	0.9	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.5	0.5
Processing Gain (-) or Loss (+)	-3.4	-3.6	-4.4	-4.2	-4.2	-4.1	-4.4	-4.6	-4.6	-4.8
Total Yield	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Total Refinery Output (Production)
Total U.S.
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	13,842.9	13,561.4	13,235.0	13,253.3	13,693.6	14,355.4	14,287.5	14,249.1	13,935.3	14,221.2	13,834.5	13,745.7	**13,851.3**
1974	12,953.8	12,569.5	12,300.3	13,158.3	13,441.8	13,688.4	14,278.2	14,207.5	13,563.0	13,701.0	13,738.2	13,969.8	**13,464.1**
1975	13,907.4	13,324.3	12,990.4	12,791.9	12,865.8	13,669.3	14,237.0	14,188.9	14,352.8	13,722.1	13,601.5	14,198.8	**13,654.2**
1976	13,855.6	14,227.6	13,968.4	13,938.5	14,251.5	15,028.6	15,118.8	15,210.2	14,924.4	14,495.0	15,295.9	15,798.8	**14,676.1**
1977	15,668.1	16,144.9	15,421.0	15,340.4	15,542.0	15,959.7	16,199.2	16,102.6	16,049.2	15,940.7	16,055.3	16,085.5	**15,875.7**
1978	15,480.2	15,044.2	15,285.4	15,029.4	16,043.0	15,951.2	15,972.0	16,417.5	16,457.9	16,065.5	16,762.1	16,923.2	**15,952.6**
1979	16,006.4	15,491.6	15,357.5	15,396.2	15,605.5	15,893.9	16,060.5	16,085.8	15,667.6	15,552.8	15,747.4	16,256.8	**15,760.2**
1980	15,783.1	15,469.4	14,702.8	14,318.8	14,187.5	14,724.6	14,426.5	14,057.2	14,446.2	13,907.9	14,518.8	14,957.5	**14,625.0**
1981	15,063.1	14,308.5	13,734.6	13,511.8	13,618.2	13,786.0	13,733.4	14,305.4	14,129.6	13,582.9	13,972.4	14,147.7	**13,991.1**
1982	13,110.8	12,769.9	12,798.7	12,935.7	13,386.6	14,053.5	14,094.4	13,403.8	13,685.6	13,502.9	13,499.9	13,411.2	**13,387.7**
1983	12,528.8	12,040.3	12,079.0	12,672.6	13,235.7	13,708.8	13,779.7	13,537.8	14,010.1	13,279.9	13,821.4	12,908.7	**13,133.6**
1984	12,969.7	13,788.4	13,287.8	13,345.9	13,843.5	14,276.3	13,825.9	13,757.2	13,826.2	13,552.7	14,000.3	13,705.1	**13,681.6**
1985	12,849.7	12,902.1	12,795.4	13,429.9	13,839.5	14,137.9	14,271.5	14,263.5	13,614.2	13,981.5	14,264.4	14,578.1	**13,744.0**
1986	14,338.3	13,662.1	13,314.5	14,076.5	15,003.3	14,942.1	14,780.2	15,250.2	14,941.4	14,220.1	14,765.9	14,911.4	**14,517.2**
1987	14,338.7	13,150.5	13,713.5	14,300.7	14,506.9	14,949.8	15,126.9	14,943.8	15,013.7	14,621.1	14,930.3	15,376.7	**14,581.1**

Total Refinery Output (Production)
Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	429,130	379,720	410,286	397,600	424,503	430,662	442,911	441,723	418,060	440,858	415,036	426,118	**5,056,607**
1974	401,568	351,945	381,310	394,748	416,696	410,651	442,625	440,431	406,891	424,730	412,145	433,065	**4,916,805**
1975	431,129	373,081	402,702	383,758	398,841	410,078	441,346	439,855	430,585	425,386	408,045	440,164	**4,984,970**
1976	429,525	412,601	433,021	418,156	441,795	450,858	468,682	471,517	447,731	449,346	458,878	489,764	**5,371,874**
1977	485,711	452,058	478,050	460,211	481,801	478,791	502,174	499,181	481,476	494,161	481,658	498,650	**5,793,922**
1978	479,885	421,238	473,847	450,883	497,332	478,535	495,131	508,944	493,736	498,030	502,862	524,618	**5,825,041**
1979	496,197	433,765	476,082	461,885	483,770	476,817	497,876	498,659	470,027	482,136	472,423	503,961	**5,753,598**
1980	489,276	448,614	455,788	429,565	439,811	441,739	447,223	435,774	433,386	431,145	435,565	463,681	**5,351,567**
1981	466,957	400,637	425,774	405,354	422,165	413,579	425,734	443,466	423,888	421,071	419,171	438,578	**5,106,374**
1982	406,435	357,557	396,759	388,070	414,984	421,606	436,926	415,518	410,569	418,589	404,996	415,748	**4,887,757**
1983	388,393	337,129	374,450	380,178	410,307	411,263	427,171	419,671	420,303	411,676	414,643	400,169	**4,795,353**
1984	402,061	399,865	411,921	400,377	429,150	428,290	428,602	426,472	414,787	420,134	420,009	424,859	**5,006,527**
1985	398,340	361,260	396,658	402,898	429,026	424,137	442,417	442,167	408,427	433,428	427,932	451,922	**5,018,612**
1986	444,487	382,539	412,749	422,296	465,101	448,264	458,186	472,756	448,243	440,824	442,978	462,253	**5,300,676**
1987	444,501	381,365	425,118	429,021	449,713	448,493	468,935	463,258	450,410	453,254	447,910	476,679	**5,338,657**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Total Motor Gasoline Production
At Refineries, Total U.S.
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	6,351.5	6,865.3	6,160.6	6,387.2	6,724.3	6,999.7	6,993.0	6,886.7	6,626.6	6,628.0	6,382.1	6,105.8	6,592.6
1974	5,905.7	5,972.0	5,984.7	6,313.9	6,331.3	6,665.8	6,795.5	6,817.5	6,455.1	6,339.3	6,294.4	6,422.2	6,358.1
1975	6,511.0	6,278.8	6,072.7	6,048.7	6,129.2	6,672.0	7,005.5	6,874.0	6,825.2	6,412.1	6,604.8	6,788.8	6,518.6
1976	6,485.0	6,475.3	6,457.9	6,564.6	6,777.0	7,305.7	7,176.9	7,151.4	6,880.9	6,680.6	6,940.5	7,178.5	6,839.5
1977	6,934.2	6,817.0	6,864.0	6,968.0	6,947.6	7,145.9	7,248.4	7,189.8	7,060.7	6,931.8	7,125.[illegible]	7,147.1	7,031.6
1978	6,935.0	6,632.9	6,751.9	6,669.9	7,060.8	7,211.6	7,266.5	7,455.8	7,400.6	7,178.3	7,584.9	7,833.0	7,165.1
1979	7,262.6	6,937.0	6,659.1	6,786.7	6,806.2	7,015.6	7,017.8	6,900.2	6,640.6	6,500.2	6,689.2	7,003.4	6,851.6
1980	6,990.6	6,866.1	6,519.1	6,283.9	6,315.5	6,568.9	6,465.1	6,452.2	6,383.0	6,131.5	6,466.6	6,643.9	6,507.2
1981	6,715.3	6,308.4	6,213.4	6,113.7	6,12[illegible]	6,220.0	6,404.6	6,610.9	6,564.2	6,426.1	6,563.5	6,585.7	6,404.0
1982	6,166.7	5,898.5	5,993.6	6,095.1	6,31[illegible].8	6,753.7	6,767.8	6,419.3	6,527.2	6,262.3	6,273.5	6,542.4	6,334.9
1983	6,062.8	5,845.4	5,902.4	6,197.8	6,395.4	6,652.8	6,704.9	6,535.4	6,609.0	6,186.9	6,632.1	6,306.8	6,336.0
1984	6,035.5	6,317.3	6,358.2	6,524.4	6,649.7	6,618.5	6,450.1	6,405.2	6,515.6	6,388.1	6,708.6	6,477.6	6,454.1
1985	5,926.0	5,914.2	6,071.8	6,344.2	6,564.4	6,779.8	6,787.5	6,814.1	6,298.5	6,356.1	6,480.2	6,651.1	6,415.7
1986	6,522.0	6,301.4	6,060.4	6,497.6	7,094.3	7,100.3	6,955.6	7,091.2	6,890.2	6,615.9	6,894.8	6,969.3	6,749.4
1987	6,713.8	6,145.1	6,568.2	6,849.4	6,990.6	7,089.1	7,042.5	6,932.3	6,920.5	6,668.1	6,907.1	7,014.3	6,820.1

Total Motor Gasoline Production
At Refineries, Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	196,898	192,228	190,978	191,616	208,454	209,991	216,783	213,489	198,798	205,467	191,464	189,281	2 405,447
1974	183,078	167,215	185,527	189,417	196,269	199,974	210,659	211,342	193,653	196,519	188,832	199,087	2,321,572
1975	201,841	175,807	188,253	181,461	190,004	200,161	217,171	213,094	204,755	198,776	198,144	210,452	2,379,919
1976	201,035	187,784	200,194	196,938	210,087	219,170	222,483	221,692	206,427	207,099	208,215	222,533	2,503,657
1977	214,953	190,877	212,783	209,041	215,375	214,378	224,699	222,883	211,820	214,887	213,755	221,561	2,567,018
1978	214,985	185,720	209,310	200,098	218,885	216,348	225,262	231,131	222,018	222,527	227,548	242,824	2,616,656
1979	225,142	194,237	206,431	203,600	210,991	210,469	217,553	213,905	199,219	201,507	200,677	217,105	2,500,836
1980	216,709	199,116	202,092	188,516	195,781	197,068	200,419	200,018	191,490	190,075	193,998	205,960	2,381,242
1981	208,175	176,636	192,615	183,411	189,771	186,601	198,544	204,937	196,925	199,209	196,906	204,157	2,337,887
1982	191,169	165,158	185,803	182,852	195,883	202,612	209,801	198,997	195,815	194,130	188,204	202,815	2,313,239
1983	187,948	163,670	182,973	185,935	198,257	199,583	207,851	202,597	198,270	191,795	198,964	195,511	2,313,354
1984	187,101	183,201	197,104	195,732	206,142	198,556	199,952	198,560	195,468	198,030	201,258	200,805	2,361,909
1985	183,706	165,598	188,225	190,326	203,497	203,393	210,414	211,236	188,955	197,040	194,407	206,184	2,342,981
1986	202,182	176,440	187,872	194,929	219,922	213,010	215,625	219,828	206,705	205,092	206,844	216,047	2,464,496
1987	208,129	178,209	203,615	205,483	216,709	212,674	218,317	214,902	207,615	206,711	207,212	217,443	2,497,019

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Motor Gasoline Production

By Type, At Refineries, Total U.S.
Thousands of barrels per day

		January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1982:	Leaded	2,950.6	2,752.8	2,878.8	2,914.4	3,080.7	3,198.0	3,198.1	2,904.0	3,015.0	2,975.6	3,028.9	3,023.8	**2,993.4**
	Unleaded	3,212.6	3,141.4	3,111.7	3,177.3	3,235.2	3,552.8	3,566.4	3,511.7	3,509.0	3,284.0	3,241.6	3,514.4	**3,338.2**
1983:	Leaded	2,722.2	2,628.9	2,696.2	2,814.6	2,939.8	3,137.6	2,983.8	2,914.3	2,850.2	2,732.8	2,875.0	2,727.0	**2,835.2**
	Unleaded	3,340.6	3,216.5	3,206.1	3,383.3	3,455.6	3,515.2	3,721.1	3,621.1	3,758.8	3,454.1	3,757.2	3,579.8	**3,500.8**
1984:	Leaded	2,503.4	2,631.3	2,630.8	2,741.1	2,722.4	2,663.7	2,557.2	2,507.8	2,521.7	2,410.7	2,578.6	2,395.9	**2,572.0**
	Unleaded	3,532.1	3,686.0	3,727.4	3,783.3	3,927.4	3,954.8	3,892.9	3,897.4	3,993.9	3,977.3	4,130.0	4,081.7	**3,882.0**
1985:	Leaded	2,142.3	2,131.5	2,196.6	2,281.0	2,425.3	2,647.6	2,240.9	2,405.8	2,116.2	2,149.5	2,300.9	2,326.5	**2,280.3**
	Unleaded	3,783.7	3,782.7	3,875.1	4,063.2	4,139.1	4,132.1	4,546.6	4,408.3	4,182.3	4,206.6	4,179.3	4,324.6	**4,135.3**
1986:	Leaded	2,022.7	1,981.1	1,985.7	2,091.9	2,402.5	2,328.6	2,182.5	2,168.1	2,043.2	1,969.9	2,011.5	1,956.7	**2,095.4**
	Unleaded	4,499.3	4,320.4	4,074.7	4,405.8	4,691.8	4,771.8	4,773.1	4,923.2	4,846.9	4,646.0	4,883.3	5,012.5	**4,654.1**
1987:	Leaded	1,777.5	1,654.8	1,626.1	1,712.5	1,814.5	1,770.1	1,746.7	1,643.7	1,663.6	1,542.8	1,554.9	1,502.9	**1,667.5**
	Unleaded	4,936.3	4,709.8	4,942.1	5,136.9	5,176.1	5,319.0	5,295.8	5,288.6	5,256.9	5,125.3	5,352.1	5,511.4	**5,170.9**

Motor Gasoline Production

By Type, At Refineries, Total U.S.
Thousands of barrels

		January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1982:	Leaded	91,469	77,079	89,242	87,433	95,501	95,940	99,141	90,023	90,449	92,245	90,867	93,737	**1,093,128**
	Unleaded	99,591	87,960	96,462	95,320	100,291	106,583	110,559	108,863	105,271	101,804	97,249	108,946	**1,218,899**
1983:	Leaded	84,389	73,609	83,583	84,437	91,133	94,128	92,498	90,343	85,507	84,717	86,249	84,537	**1,035,130**
	Unleaded	103,559	90,061	99,390	101,498	107,124	105,455	115,353	112,254	112,763	107,078	112,715	110,974	**1,278,224**
1984:	Leaded	77,605	76,308	81,554	82,234	84,393	79,912	79,273	77,741	75,651	74,733	77,357	74,272	**941,033**
	Unleaded	109,496	106,893	115,550	113,498	121,749	118,644	120,679	120,819	119,817	123,297	123,901	126,533	**1,420,876**
1985:	Leaded	66,410	59,682	68,096	68,429	75,185	79,429	69,468	74,579	63,485	66,634	69,028	72,120	**832,545**
	Unleaded	117,296	105,916	120,129	121,897	128,312	123,964	140,946	136,657	125,470	130,406	125,379	134,064	**1,5[illegible],436**
1986:	Leaded	62,704	55,470	61,557	62,756	74,476	69,857	67,658	67,210	61,297	61,067	60,344	60,658	**765,054**
	Unleaded	139,478	120,970	126,315	132,173	145,446	143,153	147,967	152,618	145,408	144,025	146,500	155,389	**1,699,442**
1987:	Leaded	55,103	46,335	50,410	51,376	56,249	53,104	54,148	50,956	49,909	47,826	46,648	46,591	**608,655**
	Unleaded	153,026	131,874	153,205	154,107	160,460	159,570	164,169	163,946	157,706	158,885	160,564	170,852	**1,888,364**

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Total Jet Naphtha Production
At Refineries, Total U.S.
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	170.4	163.9	195.4	198.5	193.7	178.1	155.9	173.3	185.9	170.3	163.5	219.4	**180.7**
1974	175.9	173.5	214.9	204.3	221.0	214.2	167.2	166.5	216.1	197.4	216.6	172.7	**195.0**
1975	138.5	166.1	198.6	165.6	183.0	163.4	187.7	187.5	191.2	196.2	201.6	176.8	**179.7**
1976	161.4	166.3	171.6	195.5	214.8	170.3	187.1	188.6	217.5	197.2	188.8	185.4	**187.0**
1977	176.6	177.6	196.2	172.7	188.8	199.1	179.2	191.0	174.1	204.1	193.5	177.2	**185.8**
1978	150.2	164.1	185.7	181.8	194.5	174.9	170.4	196.4	179.0	176.2	182.6	188.3	**178.7**
1979	162.4	160.2	166.3	184.1	181.3	186.0	186.6	165.4	171.4	188.9	170.3	192.9	**176.3**
1980	173.7	190.3	188.9	183.1	168.9	184.7	187.3	209.8	193.9	185.8	188.1	200.4	**187.9**
1981	165.0	172.4	189.0	170.4	197.9	205.8	214.2	219.0	201.0	189.1	207.8	182.3	**192.8**
1982	153.3	185.0	221.7	212.9	203.9	214.0	223.5	204.3	196.3	189.8	200.9	200.0	**200.5**
1983	201.1	224.4	227.9	187.9	228.6	215.9	220.7	202.4	199.8	161.1	202.4	194.4	**205.6**
1984	179.3	192.7	211.4	197.2	209.4	209.1	230.6	243.0	228.4	211.8	221.4	215.5	**212.5**
1985	185.2	194.6	189.2	221.7	229.8	210.6	223.6	209.0	205.6	202.8	209.0	188.7	**205.8**
1986	193.4	172.5	172.3	201.4	197.1	209.0	203.4	196.8	197.0	201.8	202.2	203.4	**195.9**
1987	173.8	194.0	187.4	201.7	215.6	204.3	221.4	208.3	204.0	218.6	217.3	205.8	**204.4**

Total Jet Naphtha Production
At Refineries, Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	5,281	4,589	6,057	5,955	6,005	5,344	4,833	5,371	5,578	5,278	4,905	6,801	**65,997**
1974	5,453	4,859	6,661	6,128	6,850	6,427	5,183	5,162	6,482	6,118	6,497	5,355	**71,175**
1975	4,294	4,651	6,157	4,967	5,672	4,901	5,820	5,812	5,735	6,082	6,047	5,482	**65,620**
1976	5,003	4,822	5,319	5,865	6,659	5,109	5,801	5,846	6,524	6,113	5,665	5,746	**68,472**
1977	5,476	4,973	6,083	5,180	5,853	5,973	5,556	5,921	5,223	6,326	5,806	5,492	**67,862**
1978	4,657	4,594	5,758	5,454	6,028	5,248	5,282	6,087	5,371	5,462	5,479	5,837	**65,257**
1979	5,035	4,485	5,154	5,523	5,619	5,580	5,786	5,126	5,143	5,856	5,108	5,979	**64,394**
1980	5,385	5,520	5,857	5,492	5,237	5,541	5,805	6,504	5,817	5,761	5,644	6,212	**68,775**
1981	5,114	4,828	5,860	5,112	6,136	6,173	6,639	6,789	6,029	5,861	6,235	5,652	**70,428**
1982	4,751	5,181	6,874	6,388	6,321	6,421	6,928	6,334	5,889	5,884	6,027	6,201	**73,199**
1983	6,234	6,282	7,064	5,637	7,088	6,478	6,843	6,273	5,995	4,995	6,071	6,026	**74,986**
1984	5,559	5,588	6,554	5,917	6,491	6,272	7,148	7,532	6,852	6,567	5,642	6,681	**77,803**
1985	5,740	5,449	5,866	6,652	7,125	6,319	6,932	6,480	6,169	6,288	6,269	5,850	**75,139**
1986	5,996	4,830	5,342	6,042	6,109	6,269	6,305	6,100	5,911	6,256	6,066	6,306	**71,532**
1987	5,389	5,431	5,810	6,052	6,685	6,128	6,862	6,458	6,120	6,778	6,519	6,380	**74,812**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Total Jet Kerosine Production
At Refineries, Total U.S.
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	693.7	734.5	721.6	688.6	646.2	657.7	669.0	671.0	661.4	704.9	688.9	610.6	679.0
1974	623.9	609.5	616.8	664.0	647.1	595.6	634.8	638.4	651.1	670.4	646.3	688.4	640.5
1975	692.7	668.7	697.8	698.0	677.9	675.5	695.5	770.5	716.2	667.4	662.2	671.7	691.2
1976	727.9	751.3	755.7	731.2	684.2	708.4	746.2	753.3	772.1	692.5	731.1	714.5	730.7
1977	739.1	795.0	756.6	816.6	788.2	795.3	787.5	815.8	827.9	768.3	754.8	798.6	787.0
1978	770.5	824.9	781.1	797.7	816.9	787.9	752.9	770.0	810.0	755.6	828.0	800.6	791.3
1979	787.6	837.8	932.0	858.6	798.4	772.4	778.0	874.3	786.5	856.9	858.2	879.0	835.0
1980	830.1	835.5	842.5	839.8	833.5	819.2	786.5	749.2	846.9	790.2	800.2	761.8	811.3
1981	791.5	776.0	805.7	789.2	807.7	786.4	823.3	756.7	731.6	713.1	751.8	762.9	774.7
1982	744.2	817.1	901.5	797.3	699.0	715.6	743.5	780.8	780.9	790.5	814.6	749.1	777.9
1983	807.6	785.9	814.2	793.3	778.1	832.4	816.2	811.6	890.3	846.7	876.3	751.5	817.0
1984	869.6	938.0	892.7	870.7	890.3	916.0	948.2	972.8	926.3	958.2	919.5	930.9	919.4
1985	958.2	981.3	1,002.7	937.4	915.2	914.0	953.7	966.0	989.0	1,036.0	1,089.7	1,051.4	982.8
1986	1,143.2	1,174.7	1,119.4	963.3	1,004.2	1,066.2	1,084.4	1,072.2	1,092.7	1,112.2	1,125.2	1,210.4	1,097.3
1987	1,191.7	1,134.8	1,095.0	1,051.8	1,034.9	1,048.1	1,125.8	1,190.8	1,189.9	1,189.4	1,170.9	1,232.9	1,138.0

Total Jet Kerosine Production
At Refineries, Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	21,506	20,567	22,369	20,658	20,031	19,731	20,739	20,802	19,841	21,851	20,668	18,929	247,692
1974	19,341	17,066	19,122	19,919	20,059	17,869	19,678	19,790	19,533	20,783	19,388	21,341	233,889
1975	21,475	18,723	21,633	20,939	21,016	20,264	21,561	23,884	21,487	20,689	19,866	20,824	252,381
1976	22,565	21,789	23,426	21,936	21,209	21,251	23,131	23,353	23,164	21,467	21,933	22,150	267,374
1977	22,913	22,261	23,454	24,499	24,435	23,860	24,412	25,289	24,838	23,818	22,645	24,758	287,182
1978	23,886	23,097	24,213	23,932	25,325	23,638	23,339	23,869	24,301	23,425	24,839	24,818	288,682
1979	24,417	23,458	28,892	25,757	24,751	23,172	24,117	27,102	23,596	26,565	25,747	27,250	304,824
1980	25,733	24,229	26,119	25,193	25,839	24,577	24,380	23,224	25,406	24,497	24,007	23,617	296,821
1981	24,536	21,728	24,976	23,676	25,039	23,591	25,523	23,458	21,949	22,107	22,554	23,650	282,787
1982	23,069	22,880	27,947	23,919	21,670	21,468	23,050	24,206	23,428	24,506	24,437	23,221	283,801
1983	25,036	22,004	25,239	23,798	24,122	24,973	25,302	25,160	26,708	26,247	26,290	23,296	298,175
1984	26,958	27,201	27,675	26,122	27,600	27,480	29,395	30,156	27,788	29,703	27,586	28,857	336,521
1985	29,703	27,475	31,083	28,121	28,370	27,419	29,566	29,945	29,669	32,116	32,692	32,594	358,753
1986	35,438	32,891	34,700	28,899	31,129	31,987	33,615	33,237	32,782	34,478	33,756	37,521	400,433
1987	36,943	31,773	33,945	31,554	32,081	31,444	34,901	36,916	35,697	36,870	35,126	38,220	415,470

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Total Kerosine Production
At Refineries, Total U.S.
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	306.9	334.4	258.4	219.3	166.6	151.1	158.8	175.6	196.7	226.3	220.0	228.5	**220.2**
1974	191.7	200.9	151.0	120.6	126.5	135.0	119.6	132.3	137.0	187.2	178.5	192.8	**156.1**
1975	197.3	204.5	158.0	149.4	136.5	93.5	119.7	140.5	145.2	143.2	157.7	187.6	**152.8**
1976	179.8	187.0	162.1	130.8	113.7	117.3	107.9	138.6	148.9	154.5	164.1	223.5	**152.4**
1977	256.9	254.0	179.6	128.0	121.2	141.1	172.6	124.2	142.4	166.3	190.1	187.6	**172.0**
1978	180.8	191.8	193.7	137.8	135.7	132.7	125.2	132.1	128.7	152.6	157.3	184.9	**154.4**
1979	223.0	260.8	169.3	181.2	171.2	157.0	162.3	156.1	171.7	181.3	172.4	195.4	**183.5**
1980	166.0	182.7	151.3	142.9	115.6	117.1	121.3	106.1	118.5	124.9	130.7	166.0	**136.9**
1981	183.1	160.3	124.2	120.5	113.0	103.9	87.0	99.0	83.2	86.9	123.1	145.3	**119.8**
1982	141.7	153.6	105.4	120.5	77.2	88.6	85.7	83.7	112.3	129.4	143.6	142.3	**115.3**
1983	133.5	134.0	125.3	89.3	86.1	70.8	77.3	82.3	118.1	137.2	128.9	132.9	**109.6**
1984	181.2	151.5	78.9	73.3	81.9	95.4	84.8	87.5	123.7	133.7	128.5	151.6	**114.3**
1985	100.2	135.0	97.4	68.7	43.3	59.3	77.1	91.1	101.5	116.5	115.4	130.8	**94.7**
1986	135.4	119.9	96.2	76.1	47.3	44.7	62.1	72.8	91.0	91.5	106.5	131.5	**89.6**
1987	128.3	78.7	61.4	45.9	38.2	38.4	53.4	65.7	90.2	118.2	116.7	106.5	**78.5**

Total Kerosine Production
At Refineries, Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	9,515	9,362	8,009	6,578	5,164	4,533	4,923	5,443	5,900	7,014	6,601	7,084	**80,126**
1974	5,942	5,624	4,681	3,618	3,923	4,050	3,707	4,100	4,111	5,803	5,356	5,976	**56,891**
1975	6,117	5,725	4,897	4,481	4,233	2,806	3,711	4,356	4,357	4,439	4,731	5,817	**55,670**
1976	5,575	5,423	5,025	3,924	3,526	3,519	3,344	4,296	4,468	4,788	4,924	6,928	**55,740**
1977	7,963	7,113	5,569	3,839	3,757	4,232	5,352	3,850	4,273	5,156	5,702	5,816	**62,622**
1978	5,606	5,371	6,006	4,135	4,206	3,981	3,882	4,094	3,862	4,731	4,719	5,732	**56,325**
1979	6,913	7,302	5,248	5,437	5,312	4,710	5,032	4,838	5,151	5,620	5,171	6,057	**66,791**
1980	5,145	5,299	4,691	4,288	3,585	3,512	3,760	3,288	3,554	3,871	3,920	5,145	**50,058**
1981	5,677	4,487	3,850	3,614	3,504	3,117	2,696	3,068	2,676	2,694	3,692	4,505	**43,580**
1982	4,392	4,302	3,267	3,615	2,394	2,658	2,657	2,594	3,369	4,011	4,309	4,410	**41,978**
1983	4,139	3,753	3,883	2,679	2,668	2,125	2,395	2,551	3,542	4,253	3,868	4,121	**39,977**
1984	5,616	4,393	2,446	2,198	2,540	2,863	2,629	2,713	3,710	4,145	3,856	4,699	**41,808**
1985	3,106	3,779	3,020	2,061	1,342	1,779	2,389	2,825	3,045	3,613	3,461	4,055	**34,475**
1986	4,196	3,357	2,983	2,283	1,466	1,342	1,925	2,257	2,731	2,836	3,195	4,076	**32,647**
1987	3,977	2,203	1,902	1,377	1,184	1,151	1,656	2,038	2,707	3,665	3,501	3,300	**28,661**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Total Distillate Fuel Oil Production
At Refineries, Total U.S.
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	3,030.9	2,939.8	2,669.8	2,512.7	2,546.6	2,827.4	2,753.6	2,803.1	2,814.6	2,912.6	2,924.3	3,137.8	2,822.8
1974	2,882.0	2,399.5	2,227.0	2,522.5	2,705.0	2,783.5	2,792.4	2,705.4	2,552.2	2,700.4	2,801.3	2,925.1	2,666.4
1975	2,852.8	2,679.3	2,532.2	2,487.2	2,431.8	2,574.5	2,590.4	2,592.4	2,812.5	2,745.2	2,767.3	2,783.9	2,654.1
1976	2,734.4	2,961.5	2,794.0	2,655.5	2,738.5	2,885.6	2,959.7	2,982.0	2,947.2	2,995.8	3,180.8	3,255.4	2,924.2
1977	3,369.4	3,695.5	3,173.3	2,994.9	3,130.7	3,191.3	3,198.2	3,272.5	3,311.6	3,362.0	3,339.6	3,323.1	3,280.2
1978	3,067.5	2,952.3	3,014.9	2,959.5	3,250.4	3,109.7	3,123.5	3,296.6	3,185.2	3,299.3	3,366.6	3,360.9	3,165.5
1979	3,043.3	2,888.3	3,019.6	2,945.9	3,066.1	3,153.2	3,306.1	[illegible],321.1	3,354.7	3,251.4	3,239.5	3,221.4	3,150.9
1980	3,013.8	2,766.2	2,557.7	2,460.7	2,474.4	2,646.6	2,689.8	2,461.7	2,686.3	2,589.6	2,703.1	2,891.3	2,661.8
1981	2,988.6	2,808.9	2,483.6	2,418.2	2,453.6	2,500.7	2,394.7	2,655.5	2,610.5	2,484.7	2,715.5	2,856.5	2,614.3
1982	2,591.1	2,426.7	2,288.5	2,358.1	2,618.4	2,729.5	2,734.2	2,507.5	2,656.5	2,837.6	2,860.2	2,654.7	2,605.2
1983	2,321.4	2,135.1	1,993.1	2,171.4	2,443.9	2,545.9	2,604.0	2,615.4	2,739.4	2,681.4	2,679.8	2,522.4	2,454.4
1984	2,589.7	2,865.7	2,477.4	2,340.6	2,622.5	2,878.9	2,717.6	2,659.6	2,704.9	2,689.9	2,824.8	2,796.4	2,680.7
1985	2,630.0	2,502.1	2,265.0	2,488.2	2,683.8	2,645.0	2,644.3	2,590.5	2,592.0	2,900.1	3,100.5	3,174.1	2,684.6
1986	2,897.2	2,561.3	2,641.8	2,786.3	2,856.9	2,728.0	2,709.0	2,921.2	2,864.1	2,716.1	2,915.2	2,941.4	2,794.9
1987	2,757.6	2,554.4	2,419.7	2,551.4	2,561.5	2,687.4	2,699.3	2,704.2	2,746.7	2,77[illegible].3	3,033.7	3,240.3	2,728.0

Total Distillate Fuel Oil Production
At Refineries, Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	93,959	82,315	82,764	75,382	78,945	84,823	85,361	[illegible]	84,439	90,292	87,730	97,272	1,030,178
1974	89,341	67,185	69,037	75,675	83,855	83,504	86,565	[illegible]	76,566	83,713	84,038	90,678	974,025
1975	88,438	75,021	78,499	74,615	75,386	77,234	80,301	[illegible]	84,374	85,100	83,019	86,300	968,650
1976	84,766	85,884	86,614	79,666	84,893	86,567	91,750	92,[illegible]	[illegible]8,417	92,869	95,423	100,917	1,070,209
1977	104,452	103,475	98,371	89,846	97,051	95,739	99,143	101,[illegible]	99,348	104,221	100,189	103,015	1,196,298
1978	95,092	82,663	93,462	88,786	100,762	93,290	96,830	102,194	95,556	102,277	100,998	104,187	1,156,097
1979	94,343	80,872	93,608	88,376	95,050	94,597	102,488	102,955	100,642	100,792	97,186	99,862	1,150,771
1980	93,428	80,220	79,290	73,820	76,705	79,399	83,383	76,313	80,588	80,277	81,094	89,631	974,148
1981	92,646	78,649	76,991	72,545	76,061	75,022	74,235	82,322	78,315	77,027	81,466	88,551	953,830
1982	80,324	67,947	70,943	70,744	81,171	81,884	84,759	77,731	79,696	87,965	85,806	82,297	951,267
1983	71,963	59,782	61,787	65,141	75,762	76,376	80,723	81,077	82,1[illegible]3	83,122	80,393	78,195	896,504
1984	80,281	83,106	76,800	70,218	81,298	86,366	84,245	82,447	81,148	83,388	84,743	86,687	980,727
1985	81,531	70,058	70,214	74,645	83,198	79,351	81,973	80,306	77,759	89,904	93,015	98,397	980,351
1986	89,812	71,716	81,897	83,590	88,565	81,841	83,978	90,557	85,922	84,199	87,456	91,183	1,020,716
1987	85,487	71,524	75,012	76,541	79,406	80,621	83,677	83,831	82,401	86,157	91,012	100,450	996,119

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Total Residual Fuel Oil Production
At Refineries, Total U.S.
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	1,112.0	1,037.6	954.6	877.2	948.1	914.9	882.3	850.6	877.9	984.4	1,061.3	1,158.4	971.6
1974	1,071.7	1,028.9	911.6	984.6	994.7	1,025.8	1,055.7	1,066.8	1,032.1	1,098.7	1,228.7	1,334.6	1,069.5
1975	1,414.7	1,354.0	1,298.7	1,244.5	1,150.9	1,152.3	1,154.8	1,145.9	1,183.3	1,165.5	1,214.2	1,353.9	1,236.1
1976	1,415.4	1,393.6	1,310.6	1,282.9	1,256.7	1,240.9	1,266.2	1,320.7	1,330.4	1,351.1	1,581.0	1,772.4	1,376.8
1977	1,891.5	1,955.0	1,719.8	1,690.6	1,681.5	1,719.7	1,734.6	1,635.3	1,749.6	1,748.7	1,694.7	1,839.0	1,755.0
1978	1,868.3	1,795.4	1,750.9	1,548.1	1,652.6	1,571.5	1,585.9	1,629.7	1,635.6	1,563.5	1,662.0	1,750.5	1,667.8
1979	1,912.2	1,792.1	1,719.3	1,639.4	1,586.3	1,548.1	1,574.5	1,583.5	1,627.3	1,629.4	1,736.3	1,893.8	1,686.8
1980	1,770.8	1,772.7	1,583.6	1,594.7	1,508.5	1,574.7	1,479.6	1,443.6	1,494.8	1,512.2	1,579.1	1,660.3	1,581.2
1981	1,612.2	1,564.8	1,423.7	1,320.0	1,222.8	1,232.1	1,173.5	1,231.2	1,292.1	1,238.1	1,226.7	1,329.0	1,322.2
1982	1,234.8	1,185.5	1,123.3	1,166.0	1,128.4	1,073.7	1,027.9	964.5	1,008.4	954.5	988.6	988.5	1,070.4
1983	972.0	856.9	834.5	940.5	935.5	828.0	769.3	709.6	825.7	807.1	845.3	897.3	851.8
1984	961.2	1,002.8	889.0	847.5	840.5	849.4	769.9	800.2	850.4	907.1	928.1	1,053.2	891.6
1985	1,004.4	1,040.0	962.8	912.0	793.2	701.6	732.2	742.3	807.8	912.0	932.2	1,055.3	883.0
1986	940.2	856.2	813.3	932.6	912.7	818.4	849.9	895.7	853.7	827.2	974.7	986.8	888.4
1987	920.4	825.2	862.9	831.3	812.6	864.1	900.8	881.7	904.2	886.8	928.2	1,001.3	885.0

Total Residual Fuel Oil Production
At Refineries, Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	34,472	29,053	29,592	26,315	29,392	27,448	27,352	26,368	26,338	30,517	31,840	35,910	354,597
1974	33,222	28,808	28,259	29,539	30,835	30,773	32,727	33,072	30,963	34,060	36,861	41,372	390,491
1975	43,857	37,912	40,260	37,335	35,678	34,569	35,798	35,522	35,500	36,130	36,426	41,970	450,957
1976	43,876	40,414	40,628	38,486	38,958	37,226	39,251	40,941	39,912	41,885	47,431	54,945	503,953
1977	58,637	54,739	53,315	50,719	52,128	51,590	53,773	50,693	52,488	54,209	50,840	57,009	640,140
1978	57,918	50,270	54,278	46,444	51,232	47,146	49,164	50,520	49,067	48,470	49,861	54,264	608,634
1979	59,277	50,178	53,297	49,182	49,174	46,444	48,810	49,089	48,819	50,510	52,090	58,709	615,579
1980	54,894	51,408	49,093	47,842	46,764	47,242	45,868	44,751	44,844	46,878	47,373	51,469	578,426
1981	49,977	43,815	44,136	39,600	37,907	36,963	36,380	38,168	38,764	38,380	36,800	41,198	482,088
1982	38,280	33,195	34,821	34,979	34,979	32,212	31,865	29,901	30,252	29,591	29,657	30,645	390,377
1983	30,131	23,992	25,870	28,216	29,002	24,840	23,847	21,998	24,772	25,020	25,358	27,817	310,863
1984	29,796	29,080	27,559	25,424	26,055	25,482	23,866	24,805	25,512	28,120	27,842	32,648	326,189
1985	31,137	29,121	29,847	27,361	24,589	21,047	22,698	23,011	24,235	28,271	27,966	32,714	321,997
1986	29,145	23,973	25,211	27,977	28,295	24,551	26,347	27,766	25,610	25,643	29,240	30,591	324,349
1987	28,531	23,105	26,749	24,940	25,190	25,922	27,925	27,332	27,127	27,492	27,847	31,041	323,201

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Total Liquified Petroleum Gases Production
At Refineries*, Total U.S.
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	360.9	359.3	378.2	373.0	420.6	388.1	410.0	390.0	369.7	376.8	331.2	337.9	**374.6**
1974	326.6	337.0	340.5	353.0	339.7	368.3	364.3	361.1	348.1	329.5	300.6	286.2	**337.9**
1975	307.4	295.6	279.8	272.8	298.9	323.4	336.3	357.0	325.8	310.1	308.8	310.2	**310.5**
1976	305.0	316.4	332.9	349.2	376.0	355.9	353.8	361.6	351.6	309.0	331.4	340.6	**340.3**
1977	322.7	336.3	330.6	336.3	397.5	363.7	381.0	360.2	352.4	353.2	348.9	344.6	**352.3**
1978	325.9	338.4	361.0	351.6	362.7	367.5	347.6	351.2	379.3	352.2	357.2	363.4	**354.8**
1979	335.2	315.8	321.8	340.8	373.0	355.8	361.8	364.4	323.2	320.7	322.1	342.9	**339.8**
1980	338.5	352.9	342.3	334.6	324.5	334.6	328.6	323.3	314.4	299.4	323.9	346.2	**330.3**
1981	323.9	332.4	312.8	321.7	324.9	325.9	306.6	341.4	326.3	299.0	297.8	263.4	**314.7**
1982	235.6	229.9	254.6	262.9	280.7	293.5	300.8	280.9	308.9	257.8	259.0	272.3	**269.7**
1983	272.7	279.4	304.3	331.4	327.8	363.5	361.0	342.4	363.2	344.0	345.4	295.7	**327.6**
1984	319.4	349.4	378.2	384.4	393.0	402.6	399.4	387.3	345.4	335.0	337.7	318.8	**362.6**
1985	333.3	356.1	368.6	409.1	416.1	431.6	449.2	421.8	394.4	355.1	355.6	396.3	**390.6**
1986	422.1	402.4	365.3	386.5	424.5	419.1	457.6	448.2	437.4	414.9	418.5	409.5	**417.2**
1987	436.2	421.5	443.5	463.6	441.9	460.6	492.0	453.2	457.0	441.5	435.4	433.8	**448.3**

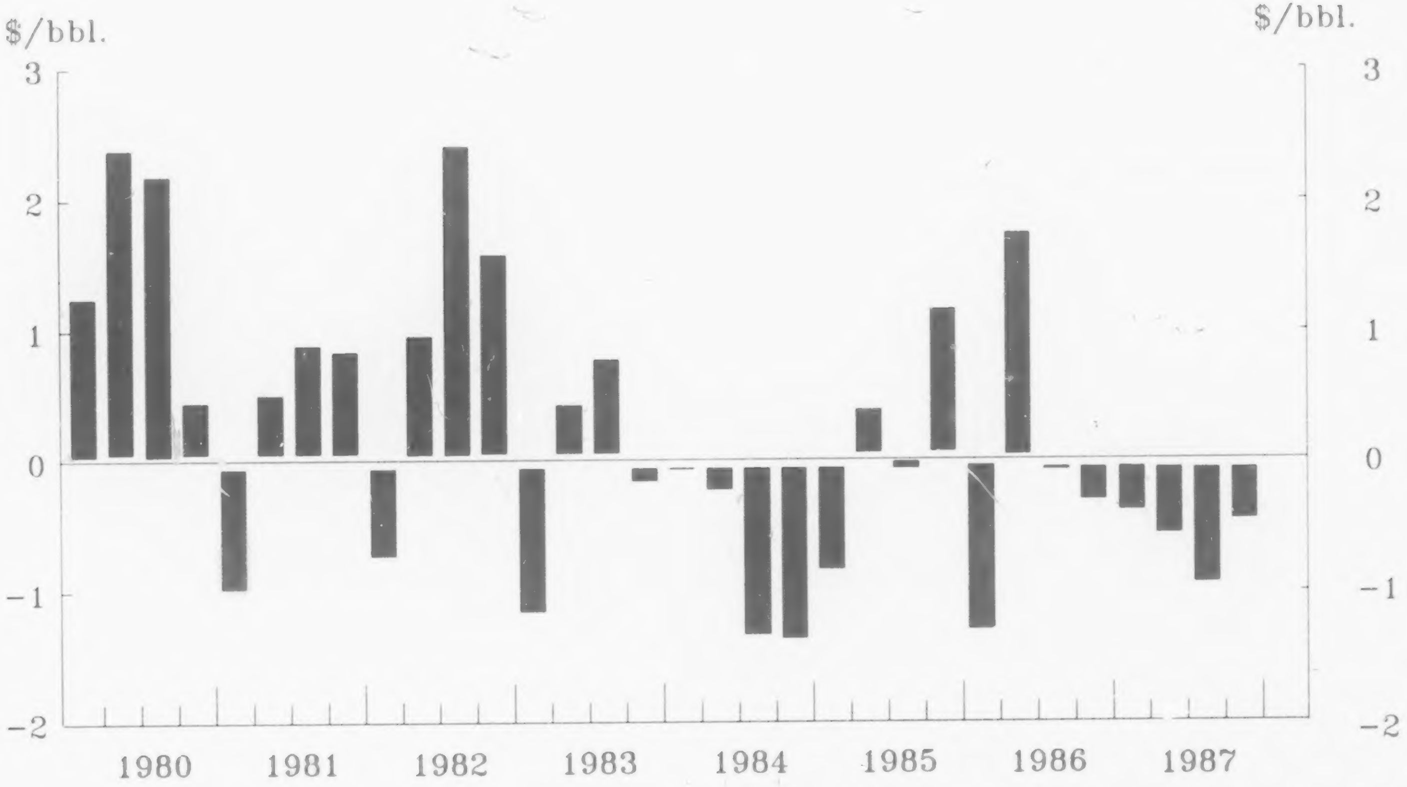
Total Liquified Petroleum Gases Production
At Refineries*, Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	11,188	10,059	11,724	11,190	13,039	11,644	12,711	12,091	11,090	11,681	9,935	10,474	**136,826**
1974	10,126	9,437	10,556	10,590	10,530	11,049	11,294	11,193	10,442	10,216	9,019	8,872	**123,324**
1975	9,528	8,276	8,673	8,184	9,266	9,701	10,425	11,067	9,775	9,613	9,265	9,615	**113,388**
1976	9,455	9,177	10,320	10,476	11,655	10,678	10,967	11,211	10,548	9,579	9,942	10,560	**124,568**
1977	10,004	9,416	10,249	10,089	12,322	10,910	11,810	11,166	10,572	10,948	10,467	10,684	**128,636**
1978	10,102	9,476	11,192	10,549	11,243	11,024	10,775	10,886	11,379	10,918	10,716	11,266	**129,526**
1979	10,391	8,843	9,977	10,225	11,562	10,673	11,215	11,295	9,695	9,943	9,663	10,630	**124,112**
1980	10,493	10,233	10,612	10,038	10,061	10,037	10,186	10,022	9,432	9,282	9,717	10,732	**120,845**
1981	10,040	9,308	9,697	9,652	10,073	9,776	9,505	10,582	9,790	9,270	8,934	8,165	**114,792**
1982	7,305	6,436	7,894	7,887	8,701	8,804	9,324	8,707	9,266	7,993	7,769	8,442	**98,528**
1983	8,453	7,823	9,432	9,942	10,163	10,905	11,191	10,613	10,897	10,665	10,361	9,168	**119,613**
1984	9,902	10,133	11,723	11,532	12,183	12,077	12,381	12,007	10,362	10,385	10,132	9,883	**132,700**
1985	10,331	9,971	11,426	12,274	12,899	12,948	13,925	13,076	11,831	11,009	10,668	12,284	**142,642**
1986	13,086	11,266	11,323	11,594	13,159	12,572	14,186	13,894	13,121	12,861	12,555	12,695	**152,312**
1987	13,521	11,802	13,749	13,907	13,699	13,819	15,252	14,048	13,709	13,688	13,061	13,448	**163,703**

* Much LPG is produced at gas processing plants. These figures represent refinery production only.

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Gulf Coast Refinery Margins



Source: Wright Killen & Co.

Gulf Coast Refinery Margins
Regional Average Cash Operating Margin
Dollars per barrel

1975	1976	1977	1978	1979	1980	1981
-0.47	0.26	0.60	0.43	1.47	1.55	0.30

1982	1983	1984	1985	1986	1987
1.05	-0.03	-0.72	0.16	0.03	-0.58

	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.
1980	1.24	2.36	2.18	0.42
1981	-0.96	0.48	0.86	0.81
1982	-0.70	0.94	2.39	1.55
1983	-1.13	0.40	0.75	-0.14
1984	-0.04	-0.20	-1.31	-1.34
1985	-0.81	0.36	-0.07	1.16
1986	-1.29	1.74	-0.03	-0.30
1987	-0.38	-0.56	-0.94	-0.45

	1984	1985	1986	1987
January	NA	-1.81	-1.74	0.32
February	NA	-0.23	-1.66	-0.82
March	NA	-0.40	-0.46	-0.65
April	-0.14	0.62	1.20	-0.87
May	-0.09	0.22	3.25	-0.36
June	-0.37	0.23	0.76	-0.44
July	-1.45	-0.11	-0.91	-0.48
August	-1.76	-0.37	0.80	-0.93
September	-0.73	0.27	0.03	-1.41
October	-0.94	1.02	-0.43	-0.39
November	-1.29	1.72	-0.15	-0.06
December	-1.78	0.74	-0.33	-0.89

Data from Oil & Gas Journal Energy Database.
Source: Wright Killen & Co.

Nelson Refinery Operating Index
(1956=100)

	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965
Process Units Operating Index	100.0	107.7	105.8	106.0	107.2	106.4	102.5	100.6	100.5	105.2
Fuel Cost	100.0	115.1	102.1	103.5	109.9	106.7	100.9	104.4	102.8	106.1
Labor Cost	100.0	106.1	105.0	102.3	100.3	97.5	91.8	90.5	89.1	88.3
Wages & Benefits	100.0	104.1	105.4	111.5	113.0	119.2	121.1	129.1	132.8	138.8
Productivity	100.0	98.[illegible]	100.3	109.0	112.9	122.3	131.8	142.7	149.1	157.2
Investment, Maintenance, Etc.	100.0	105.[illegible]	109.5	113.7	116.9	119.2	121.7	115.2	114.5	116.0
Chemical Costs	100.0	102.2	104.4	107.8	114.3	103.2	96.7	95.6	99.0	119.3
Composite Operating Index	**100.0**	**106.7**	**105.8**	**106.8**	**108.8**	**106.7**	**102.9**	**100.8**	**100.2**	**104.6**

	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975
Process Units Operating Index	100.3	101.2	101.3	102.5	117.6	133.3	147.0	168.0	222.5	258.5
Fuel Cost	105.6	104.7	103.8	107.1	129.2	166.4	166.8	186.8	310.5	376.3
Labor Cost	87.7	92.3	91.8	91.3	101.8	105.0	107.1	102.9	121.1	133.0
Wages & Benefits	145.4	152.4	158.0	171.3	183.1	194.9	210.0	221.2	243.9	273.9
Productivity	165.9	165.1	173.1	187.6	179.9	185.6	197.0	214.9	201.5	206.0
Investment, Maintenance, Etc.	103.2	103.6	103.6	104.3	115.7	115.7	162.3	193.0	215.8	246.5
Chemical Costs	130.9	128.6	124.3	125.9	127.4	120.1	112.2	117.3	153.2	186.7
Composite Operating Index	**102.8**	**104.1**	**103.5**	**104.3**	**113.0**	**117.4**	**118.5**	**125.7**	**159.7**	**189.3**

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Process Units Operating Index	267.1	287.8	297.0	374.4	457.5	562.2	557.2	565.5	584.2	551.7
Fuel Cost	384.5	430.5	422.4	605.7	810.5	1,016.0	931.1	913.8	968.3	878.9
Labor Cost	145.5	149.6	169.6	191.1	200.6	271.9	321.8	334.5	308.0	293.4
Wages & Benefits	314.3	346.2	388.6	424.8	439.9	512.8	574.7	621.9	629.9	642.3
Productivity	216.2	231.4	229.4	222.5	226.3	188.8	178.6	186.7	204.5	219.7
Investment, Maintenance, Etc.	256.2	263.6	280.7	300.2	324.8	357.2	385.0	415.3	436.6	445.8
Chemical Costs	195.2	184.4	191.8	216.6	229.2	237.7	234.1	231.3	233.4	222.9
Composite Operating Index	**209.3**	**228.2**	**243.2**	**278.3**	**312.7**	**373.3**	**396.6**	**412.9**	**417.4**	**406.8**

	1986	1987
Process Units Operating Index	430.8	435.6
Fuel Cost	548.8	554.1
Labor Cost	259.4	253.5
Wages & Benefits	651.8	663.2
Productivity	253.8	261.8
Investment, Maintenance, Etc.	460.0	473.2
Chemical Costs	206.7	192.8
Composite Operating Index	**369.0**	**371.8**

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Nelson Refinery Operating Index
(1956=100)

	Process Units Operating	Fuel Cost	Labor Cost	Wages & Benefits	Productivity	Investment, Maintenance, Etc.	Chemical Costs	Composite Operating Index
January 1980	431.8	784.0	161.6	346.0	214.1	311.3	243.3	**290.8**
February	436.0	818.3	133.4	405.1	303.6	313.0	245.6	**284.1**
March	439.6	827.4	133.6	415.1	310.7	314.1	248.4	**285.8**
April	432.3	777.3	165.7	436.9	263.6	315.7	251.7	**294.5**
May	433.4	739.3	211.3	446.6	211.4	317.9	217.0	**306.2**
June	438.4	747.8	213.8	455.1	212.9	322.4	219.4	**309.6**
July	445.5	752.2	226.4	458.4	202.5	326.6	218.9	**317.1**
August	463.6	794.8	228.4	439.9	192.6	330.4	220.9	**323.6**
September	464.3	797.2	229.4	463.0	201.8	333.0	216.6	**324.8**
October	470.8	801.7	241.5	473.5	196.1	336.3	222.2	**331.9**
November	488.0	857.3	232.8	476.0	204.5	337.4	223.2	**334.2**
December	546.6	1,025.1	229.7	463.5	201.8	339.6	223.5	**349.1**
January 1981	547.1	1,010.9	246.9	488.2	197.7	340.6	227.1	**355.1**
February	584.6	1,109.7	254.6	508.6	199.8	342.3	232.3	**368.1**
March	594.4	1,127.1	263.4	498.9	189.4	345.3	228.0	**374.0**
April	598.4	1,120.0	282.6	519.4	183.8	347.5	233.3	**382.1**
May	574.8	1,054.8	277.3	516.7	186.3	349.9	238.2	**375.1**
June	534.1	941.5	270.9	511.7	188.9	352.3	239.9	**364.3**
July	536.8	930.1	284.5	526.8	185.2	359.7	240.2	**371.7**
August	540.2	955.1	263.8	505.9	191.8	361.6	241.3	**367.1**
September	553.4	974.9	279.2	529.1	189.5	366.8	244.0	**377.2**
October	589.7	984.9	283.1	515.6	182.1	372.5	243.4	**382.0**
November	563.0	991.6	284.0	519.8	183.0	373.4	239.2	**383.1**
December	559.2	990.1	272.7	512.7	188.0	373.9	240.9	**378.9**
January 1982	565.9	980.2	304.6	548.9	180.2	375.7	240.3	**390.9**
February	563.2	967.7	309.0	540.2	174.8	376.7	240.5	**391.9**
March	558.2	947.6	312.2	547.9	175.5	379.7	239.6	**392.6**
April	557.8	933.4	326.3	564.1	172.9	380.5	237.9	**396.8**
May	566.2	951.2	327.9	579.4	176.7	385.4	237.7	**401.2**
June	545.4	906.5	315.7	590.0	186.9	381.3	234.2	**390.4**
July	540.6	894.1	308.4	578.9	187.7	386.0	232.8	**388.5**
August	539.9	875.7	323.6	581.8	179.8	389.4	232.8	**394.1**
September	548.2	895.3	327.7	594.1	181.3	390.0	232.6	**397.6**
October	561.4	934.6	325.6	576.0	176.9	390.4	230.4	**400.4**
November	580.4	976.5	338.6	600.0	177.2	391.5	226.5	**409.2**
December	559.1	910.9	342.8	595.1	173.6	392.9	223.9	**405.3**
January 1983	558.0	883.1	357.0	616.8	172.8	405.2	222.0	**413.4**
February	556.8	866.7	368.7	606.2	164.4	408.1	225.8	**418.0**
March	556.9	864.7	371.1	619.3	166.9	408.4	230.2	**419.3**
April	553.6	877.2	345.2	621.7	180.1	408.5	230.2	**410.6**
May	558.1	900.9	332.4	617.9	185.9	408.7	231.5	**408.1**
June	562.4	923.1	314.2	610.2	194.2	414.3	231.2	**405.6**
July	563.9	922.3	316.8	618.0	195.1	417.2	232.0	**407.8**
August	568.4	937.9	310.5	609.9	196.4	419.9	234.6	**408.3**
September	574.7	952.3	311.5	635.7	204.1	422.8	232.9	**411.1**
October	576.8	946.7	324.9	629.3	193.7	422.9	235.9	**416.0**
November	576.3	944.1	324.8	639.8	197.0	424.0	235.6	**416.2**
December	580.2	945.5	336.7	637.8	189.4	423.6	233.7	**420.5**

Nelson Refinery Operating Index
(1956=100)

	Process Units Operating	Fuel Cost	Labor Cost	Wages & Benefits	Productivity	Investment, Maintenance, Etc.	Chemical Costs	Composite Operating Index
January 1984	593.5	970.3	342.7	643.2	187.7	431.7	240.2	**429.1**
February	592.2	994.8	308.9	626.8	202.9	432.4	233.9	**418.2**
March	585.5	968.7	315.9	631.5	199.9	433.3	238.2	**419.3**
April	587.4	972.5	317.4	639.5	201.5	433.7	237.6	**420.3**
May	582.9	972.4	301.0	622.8	206.9	434.9	236.3	**414.5**
June	584.0	977.6	297.6	620.3	208.4	436.6	237.8	**414.6**
July	585.2	974.0	304.1	619.5	203.7	437.2	235.2	**416.8**
August	575.6	949.9	297.3	622.9	209.5	439.9	230.3	**412.7**
September	579.8	958.5	300.5	637.9	212.3	440.6	228.6	**414.9**
October	582.1	963.5	303.3	632.6	206.8	439.7	227.8	**415.9**
November	581.3	958.0	307.0	639.7	208.1	439.8	227.5	**416.9**
December	580.0	959.4	302.0	622.7	206.2	439.6	227.1	**415.0**
January 1985	586.2	954.2	321.8	641.3	199.3	444.8	231.9	**424.7**
February	589.3	969.8	313.2	634.3	202.5	445.4	233.8	**423.3**
March	583.5	953.8	313.0	632.2	202.0	445.0	230.5	**421.3**
April	575.6	933.2	310.7	658.3	310.7	445.1	231.5	**418.7**
May	548.9	871.1	292.4	621.7	212.6	446.5	225.6	**406.3**
June	535.3	832.2	292.4	638.3	218.3	446.6	227.2	**403.0**
July	534.3	837.8	282.7	631.0	223.2	446.4	215.4	**398.6**
August	533.1	833.8	284.0	627.4	220.9	445.9	217.5	**398.7**
September	553.6	888.3	288.4	660.6	229.1	446.2	216.6	**405.4**
October	525.4	832.3	259.7	615.5	237.0	446.1	216.4	**389.4**
November	524.2	816.9	274.7	651.7	237.0	445.4	214.2	**393.1**
December	526.5	823.6	273.1	662.3	242.5	446.5	214.0	**393.6**
January 1986	518.2	795.5	241.2	652.9	241.2	453.1	214.2	**393.1**
February	515.3	774.4	284.6	641.4	225.4	453.9	214.1	**396.8**
March	477.8	656.1	290.7	665.6	228.9	459.8	213.0	**391.0**
April	439.0	571.1	266.3	655.9	246.3	454.9	207.5	**371.4**
May	424.2	541.3	241.4	634.6	262.9	463.7	206.0	**363.0**
June	414.3	512.6	247.3	655.5	265.1	459.2	203.7	**360.5**
July	396.5	454.2	251.0	647.4	257.9	463.6	204.3	**358.6**
August	389.7	439.7	245.0	649.9	265.3	463.7	202.5	**354.9**
September	401.0	445.2	275.3	652.4	257.6	464.6	203.4	**367.4**
October	398.6	443.0	269.1	703.7	261.0	464.7	205.8	**365.3**
November	398.5	461.4	274.5	659.4	266.4	465.1	202.9	**358.5**
December	403.7	491.2	245.8	658.3	267.8	465.7	203.5	**360.8**
January 1987	412.9	493.2	256.3	675.9	263.7	466.8	180.6	**363.4**
February	427.8	543.3	246.9	653.3	264.6	467.3	182.2	**364.7**
March	433.5	538.1	272.0	667.0	245.2	467.2	185.3	**374.0**
April	438.6	563.7	259.4	664.8	256.5	467.2	191.1	**372.0**
May	431.4	542.9	257.7	660.4	256.3	468.9	197.1	**370.8**
June	442.8	583.8	245.7	651.5	265.1	470.7	197.7	**370.8**
July	450.6	599.8	250.6	678.5	270.7	472.7	196.4	**374.9**
August	448.7	600.9	239.6	645.3	269.3	475.6	194.1	**371.9**
September	441.7	570.2	249.7	666.8	267.1	477.9	195.5	**374.0**
October	440.8	560.7	254.2	654.6	257.5	480.9	197.2	**376.4**
November	439.1	553.3	256.2	669.5	261.3	481.7	197.6	**376.9**
December	419.6	499.2	253.9	671.0	264.3	481.9	199.0	**371.4**

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Nelson Refinery Construction Index
(1946=100)

	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958
Pumps, Compressors, Etc.	127.0	135.9	138.2	155.9	155.6	162.5	166.5	172.2	192.0	206.7	214.7
Electrical Machinery	127.6	130.9	134.9	154.3	152.4	156.4	160.0	162.5	175.0	188.9	192.7
Internal Combustion Engines	116.9	124.8	126.0	146.1	146.5	148.1	150.5	153.2	164.0	173.9	178.3
Instruments	120.0	122.0	127.8	142.3	146.2	151.8	154.6	162.9	182.1	187.4	194.9
Heat Exchangers	130.0	133.0	140.0	152.0	165.8	174.9	171.7	156.8	190.7	203.6	181.2
Miscellaneous Equipment Average	122.1	121.6	126.2	145.1	153.3	158.8	160.7	161.5	180.5	192.1	192.4
Materials Component	139.5	143.6	149.5	164.0	164.3	172.4	174.6	176.1	190.4	201.9	204.1
Labor Component	128.0	137.1	144.0	152.5	163.1	174.2	183.3	189.6	198.2	208.6	220.4
Composite Inflation Index	**132.5**	**139.7**	**146.2**	**157.2**	**163.6**	**173.5**	**179.8**	**184.2**	**195.3**	**205.9**	**213.9**

	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969
Pumps, Compressors, Etc.	226.5	228.3	228.8	222.5	224.3	231.5	245.6	260.5	272.2	284.5	300.4
Electrical Machinery	195.8	195.2	192.1	189.5	187.7	186.4	186.2	190.5	196.1	198.2	201.7
Internal Combustion Engines	178.5	180.7	181.1	183.4	181.5	184.9	186.4	188.7	192.0	198.9	205.7
Instruments	201.0	202.5	207.5	214.8	224.5	225.3	221.5	229.7	232.3	239.1	237.6
Heat Exchangers	178.9	194.6	188.1	183.6	189.1	206.1	218.4	235.2	237.9	223.4	237.6
Miscellaneous Equipment Average	196.1	200.0	199.5	198.8	201.4	206.8	211.6	226.1	228.8	228.8	239.3
Materials Component	207.8	207.6	207.7	205.9	206.3	209.6	212.0	216.3	219.7	224.1	234.9
Labor Component	231.6	241.9	249.4	258.8	268.4	280.5	294.4	310.9	331.3	357.4	391.8
Composite Inflation Index	**222.1**	**228.1**	**232.7**	**237.6**	**243.6**	**252.1**	**261.4**	**273.0**	**286.7**	**304.1**	**329.0**

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
Pumps, Compressors, Etc.	313.1	330.6	337.5	346.9	416.3	509.8	538.6	575.0	619.5	673.9	777.3
Electrical Machinery	208.6	214.5	216.3	220.2	244.9	275.6	287.0	301.8	323.1	350.0	394.7
Internal Combustion Engines	217.0	226.1	233.3	238.3	270.2	319.8	348.3	376.9	412.7	453.8	512.6
Instruments	278.8	304.2	328.4	338.0	376.5	420.5	466.4	484.1	518.7	541.7	587.3
Heat Exchangers	253.8	268.0	274.3	313.7	501.3	553.9	478.5	454.0	496.0	557.4	618.7
Miscellaneous Equipment Average	254.3	268.7	278.0	291.4	361.8	415.9	423.8	438.3	474.1	515.4	578.1
Materials Component	250.5	265.2	277.8	292.3	371.3	421.0	445.2	471.3	516.7	573.1	629.2
Labor Component	441.1	499.9	545.6	585.2	623.6	678.5	729.4	774.1	824.1	879.0	951.9
Composite Inflation Index	**364.9**	**406.0**	**438.5**	**468.0**	**522.7**	**575.5**	**615.7**	**653.0**	**701.1**	**758.6**	**822.8**

	1981	1982	1983	1984	1985	1986	1987
Pumps, Compressors, Etc.	880.6	944.1	944.5	950.5	969.9	982.6	995.0
Electrical Machinery	431.4	453.8	469.0	486.5	497.0	504.6	511.3
Internal Combustion Engines	576.9	627.7	653.7	663.1	666.7	676.9	689.4
Instruments	623.4	652.5	675.2	696.8	713.7	733.3	744.2
Heat Exchangers	727.3	635.9	541.7	530.9	520.0	524.7	575.2
Miscellaneous Equipment Average	647.9	662.8	656.8	665.6	673.4	684.4	703.1
Materials Component	693.2	707.6	712.4	735.3	739.6	730.0	748.9
Labor Component	1,044.2	1,156.5	1,234.8	1,278.1	1,297.6	1,330.0	1,370.0
Composite Inflation Index	**903.8**	**976.9**	**1,025.8**	**1,061.0**	**1,074.4**	**1,089.9**	**1,121.5**

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Nelson Refinery Construction Index
(1946=100)

	Pumps, Compressors Etc.	Electrical Machinery	Internal Combustion Engines	Instruments	Heat Exchangers	Miscellaneous Equipment Average	Materials Component	Labor Component	Composite Inflation Index
January 1980	717.6	373.3	485.2	577.6	586.3	548.0	606.2	913.9	**790.8**
February	724.1	380.6	487.9	577.6	596.5	553.3	612.8	916.3	**794.9**
March	753.8	383.9	495.2	577.6	605.7	563.2	618.6	917.0	**797.7**
April	766.6	389.4	503.0	577.6	598.9	567.1	628.4	917.0	**801.6**
May	775.0	390.4	505.1	577.6	611.3	571.9	627.2	922.6	**804.4**
June	777.2	394.3	505.1	594.2	611.1	576.4	626.8	941.6	**815.7**
July	783.7	398.8	514.7	594.2	619.7	582.2	625.6	960.2	**826.4**
August	790.0	401.1	517.2	594.2	617.1	583.9	628.6	974.2	**836.0**
September	793.5	403.7	526.8	594.2	620.2	587.7	632.5	982.5	**842.5**
October	806.6	405.6	531.6	594.2	636.9	595.0	642.5	989.6	**850.8**
November	810.1	406.4	539.5	594.2	643.5	589.7	646.3	992.0	**853.7**
December	829.1	409.4	540.1	594.2	676.9	609.0	654.6	995.6	**859.2**
January 1981	837.0	415.2	547.2	594.2	710.1	620.7	667.8	996.4	**865.0**
February	851.5	418.6	548.6	594.2	724.0	627.4	670.5	996.4	**866.0**
March	857.7	423.1	557.4	653.6	737.7	645.9	683.1	1,000.5	**873.6**
April	859.6	426.8	567.2	661.8	745.6	652.2	691.5	1,004.3	**879.2**
May	870.2	427.2	567.2	667.3	733.0	653.0	691.9	1,014.2	**885.3**
June	877.9	429.2	570.1	595.0	718.5	638.1	686.9	1,027.8	**891.4**
July	887.7	433.1	579.7	602.9	722.7	645.2	699.9	1,050.0	**909.9**
August	894.2	436.6	586.2	604.0	723.2	648.8	702.1	1,056.7	**914.9**
September	898.0	439.1	599.1	633.9	740.7	662.2	708.0	1,074.7	**928.0**
October	898.5	440.9	599.3	618.2	742.7	660.0	707.3	1,099.2	**942.4**
November	913.5	442.9	601.2	625.7	713.3	659.3	705.3	1,004.4	**944.8**
December	920.9	444.6	599.3	630.5	716.9	662.4	706.1	1,105.7	**945.9**
January 1982	929.6	447.4	609.1	633.8	716.9	667.4	712.1	1,112.9	**952.6**
February	939.4	449.5	610.6	644.3	716.9	672.1	714.5	1,118.2	**956.7**
March	941.5	451.7	611.7	642.4	675.1	664.5	712.0	1,132.6	**964.4**
April	945.1	453.8	614.6	643.1	663.5	664.0	712.2	1,135.9	**966.4**
May	948.6	454.0	624.0	651.6	648.0	665.2	710.6	1,143.5	**970.3**
June	945.1	454.4	624.8	652.3	622.4	659.8	705.4	1,143.9	**968.5**
July	945.3	454.6	628.0	653.3	603.4	656.2	703.8	1,164.8	**980.4**
August	946.6	454.6	636.7	655.9	600.5	658.9	704.6	1,178.7	**989.1**
September	947.0	455.6	642.3	659.2	593.2	659.5	703.8	1,181.8	**990.6**
October	946.4	456.6	643.1	660.4	593.2	659.9	705.4	1,182.5	**991.7**
November	947.0	456.6	643.4	662.6	599.1	661.7	704.5	1,187.5	**994.3**
December	947.5	457.1	643.6	670.8	599.1	663.6	701.3	1,195.7	**998.0**
January 1983	951.3	459.1	644.0	664.0	581.5	656.0	699.2	1,201.8	**1,000.6**
February	950.8	462.1	644.4	664.4	562.8	656.9	707.9	1,208.2	**1,008.1**
March	946.4	462.7	650.7	668.5	557.4	657.1	709.8	1,208.2	**1,008.6**
April	946.4	465.0	653.8	666.7	549.0	656.2	710.0	1,208.2	**1,008.9**
May	945.3	465.8	658.2	670.2	543.2	656.5	709.5	1,209.3	**1,009.4**
June	945.3	466.8	657.6	672.5	532.1	654.9	708.4	1,233.2	**1,023.3**
July	946.2	471.9	655.3	678.0	530.7	656.4	710.1	1,244.1	**1,030.6**
August	939.6	472.7	656.1	678.4	529.3	655.2	711.9	1,254.0	**1,037.1**
September	941.0	474.4	653.4	684.2	528.9	656.4	718.2	1,261.8	**1,044.4**
October	939.1	474.5	654.8	681.8	528.6	655.8	718.7	1,261.8	**1,044.6**
November	939.9	475.6	658.0	682.1	528.3	656.8	720.8	1,265.0	**1,047.3**
December	942.4	477.6	658.2	691.1	529.1	695.7	723.4	1,261.5	**1,046.3**

Nelson Refinery Construction Index
(1946=100)

	Pumps, Compressors Etc.	Electrical Machinery	Internal Combustion Engines	Instruments	Heat Exchangers	Miscellaneous Equipment Average	Materials Component	Labor Component	Composite Inflation Index
January 1984	941.8	479.3	661.3	691.9	529.6	660.8	727.8	1,263.2	**1,049.0**
February	942.4	481.1	661.3	690.8	529.6	661.0	731.6	1,263.6	**1,050.8**
March	945.6	483.0	658.8	694.8	531.7	662.8	732.3	1,266.4	**1,052.9**
April	940.5	484.6	659.0	697.4	536.0	665.5	734.3	1,267.1	**1,054.0**
May	947.8	485.0	662.1	695.5	533.2	664.7	735.3	1,271.0	**1,056.7**
June	950.8	486.8	661.7	694.0	530.6	664.8	735.4	1,277.9	**1,060.9**
July	952.1	487.0	663.2	692.8	538.5	666.7	736.7	1,279.7	**1,062.5**
August	947.2	487.4	665.3	698.7	536.9	667.1	737.0	1,290.3	**1,069.0**
September	951.3	488.5	668.4	699.9	536.9	669.0	738.3	1,292.1	**1,070.8**
October	953.5	490.7	666.7	700.6	522.1	666.7	738.8	1,288.2	**1,068.4**
November	964.1	492.3	667.8	703.4	522.4	670.0	738.4	1,288.6	**1,068.6**
December	958.4	492.8	662.1	701.5	522.8	667.5	737.4	1,288.6	**1,068.2**
January 1985	961.1	494.2	664.0	704.2	523.6	669.4	738.0	1,294.2	**1,072.0**
February	960.9	495.8	665.7	707.0	523.8	670.6	739.6	1,296.0	**1,073.5**
March	968.2	496.4	665.7	706.7	523.1	672.0	741.0	1,293.5	**1,072.5**
April	967.1	497.5	668.0	708.9	523.3	673.0	741.2	1,293.5	**1,072.6**
May	967.4	497.5	667.8	708.4	525.2	672.7	740.1	1,300.0	**1,076.0**
June	969.0	497.3	667.8	712.3	525.2	674.3	739.4	1,300.8	**1,076.3**
July	969.8	496.4	666.9	714.1	522.6	674.0	738.6	1,300.8	**1,075.9**
August	971.5	496.4	666.9	714.4	522.6	674.4	739.9	1,297.6	**1,074.6**
September	972.6	497.5	669.2	721.7	514.7	675.1	739.9	1,298.8	**1,075.3**
October	975.0	497.5	666.1	719.9	514.7	674.6	739.8	1,298.5	**1,075.0**
November	978.3	498.3	666.1	721.0	510.4	674.8	738.5	1,296.9	**1,073.5**
December	978.3	499.1	666.7	725.2	510.2	675.9	738.7	1,301.0	**1,076.0**
January 1986	972.0	500.1	668.8	720.0	511.2	674.4	730.5	1,302.8	**1,073.9**
February	972.0	501.0	670.1	728.4	512.5	676.8	726.4	1,308.9	**1,075.8**
March	973.9	502.2	671.5	735.5	513.9	679.4	726.6	1,308.9	**1,075.9**
April	982.4	503.0	678.0	729.9	518.3	682.3	727.7	1,311.7	**1,078.1**
May	978.5	503.2	677.0	732.8	518.0	681.9	729.5	1,314.5	**1,080.5**
June	982.6	503.4	678.6	723.9	518.0	683.3	729.5	1,327.5	**1,088.3**
July	984.8	505.8	680.8	732.3	518.0	684.2	729.6	1,344.9	**1,098.8**
August	986.2	506.6	679.9	737.3	528.1	687.6	730.5	1,344.7	**1,099.0**
September	988.6	507.7	679.5	738.5	531.0	689.0	731.3	1,347.5	**1,101.0**
October	988.3	507.3	679.7	736.3	539.5	689.5	731.9	1,347.8	**1,101.4**
November	991.9	507.9	679.5	738.6	541.0	691.8	732.1	1,349.3	**1,102.4**
December	990.2	507.3	679.5	738.7	547.3	692.6	732.3	1,351.3	**1,103.7**
January 1987	992.1	508.7	679.7	740.5	547.7	693.7	736.3	1,352.8	**1,106.2**
February	991.3	509.5	692.6	741.7	552.4	697.5	738.4	1,353.4	**1,107.5**
March	992.7	509.3	689.9	742.8	557.1	698.4	737.4	1,353.8	**1,107.3**
April	993.8	509.7	689.5	743.3	557.1	698.7	736.9	1,354.5	**1,107.5**
May	993.8	509.7	689.3	746.4	562.8	700.4	739.1	1,358.8	**1,110.9**
June	995.4	508.5	689.3	739.5	562.8	699.1	741.1	1,365.4	**1,115.6**
July	998.4	512.0	689.9	757.4	577.1	707.6	744.4	1,371.0	**1,120.3**
August	993.8	513.0	691.3	741.9	587.1	705.4	746.3	1,380.9	**1,127.1**
September	994.1	511.8	688.4	742.1	587.1	704.5	752.1	1,386.9	**1,132.7**
October	995.1	513.4	690.3	742.1	597.2	707.7	768.1	1,387.0	**1,139.4**
November	998.7	514.2	691.5	744.1	602.2	710.1	772.8	1,387.6	**1,141.7**
December	1,000.3	515.2	691.5	749.5	611.8	713.7	774.1	1,387.6	**1,142.2**

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Worldwide Crude Oil Refinery Runs
Thousands of barrels per day

	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976
Africa	540	570	520	535	710	740	815	905	930	1,005	1,055
Australia & New Zealand	415	465	500	510	565	565	575	620	625	635	655
Canada	1,040	1,070	1,135	1,190	1,280	1,395	1,535	1,675	1,765	1,700	1,710
Japan	1,650	2,005	2,540	2,995	3,470	3,855	3,850	4,430	4,300	4,055	4,230
Latin America	4,030	4,170	4,350	4,590	4,905	5,295	5,445	5,970	5,890	5,515	5,670
Middle East	1,580	1,645	1,765	1,875	2,105	2,240	2,165	2,170	2,330	2,075	2,300
South Asia	300	370	420	505	525	545	540	590	550	485	550
South East Asia	610	635	890	920	1,020	1,265	1,385	1,705	1,560	1,545	1,865
United States	9,444	9,815	10,312	10,629	10,870	11,200	11,696	12,431	12,280	12,475	13,435
Western Europe	8,080	8,830	10,045	11,195	12,730	13,145	13,910	15,065	14,175	12,415	13,180
Total Non-Communist	27,689	29,575	32,477	34,944	38,180	40,245	41,916	45,561	44,405	41,905	44,650
Total Communist	5,270	5,655	6,115	6,705	7,335	7,845	8,555	9,365	10,185	11,025	11,575
Total World	**32,959**	**35,230**	**38,592**	**41,649**	**45,515**	**48,090**	**50,471**	**54,926**	**54,590**	**52,930**	**56,225**

	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Africa	1,165	1,280	1,355	1,460	1,525	1,735	1,920	1,975	2,015	2,095	2,170
Australia & New Zealand	680	690	700	640	655	625	605	615	580	590	570
Canada	1,805	1,820	1,960	2,085	1,945	1,650	1,545	1,570	1,495	1,475	1,605
Japan	4,285	4,240	4,340	4,015	3,630	3,360	3,255	3,355	3,120	2,990	2,910
Latin America	5,715	5,975	6,220	6,460	6,575	6,080	5,825	5,715	5,450	5,480	5,530
Middle East	2,240	2,535	2,365	2,445	2,205	2,245	2,515	2,665	2,795	2,950	2,970
South Asia	605	645	675	705	795	840	880	885	1,020	1,120	1,145
South East Asia	2,030	2,330	2,450	2,370	2,480	2,335	2,380	2,455	2,650	2,765	2,750
United States	14,625	14,780	14,465	13,520	12,470	11,775	11,685	12,045	12,005	12,715	12,855
Western Europe	12,775	12,855	13,665	12,330	10,970	10,075	9,710	9,790	9,490	10,060	9,795
Total Non-Communist	45,925	47,150	48,195	46,030	43,250	40,720	40,320	41,070	40,620	42,240	42,300
Total Communist	11,930	12,857	13,230	13,320	13,420	13,575	13,675	13,885	14,165	14,500	14,700
Total World	**57,855**	**60,025**	**61,425**	**59,350**	**56,670**	**54,295**	**53,995**	**54,955**	**54,785**	**56,740**	**57,000**

Data from Oil & Gas Journal Energy Database.
Source: British Petroleum

Worldwide Refinery Utilization Rate
Percent

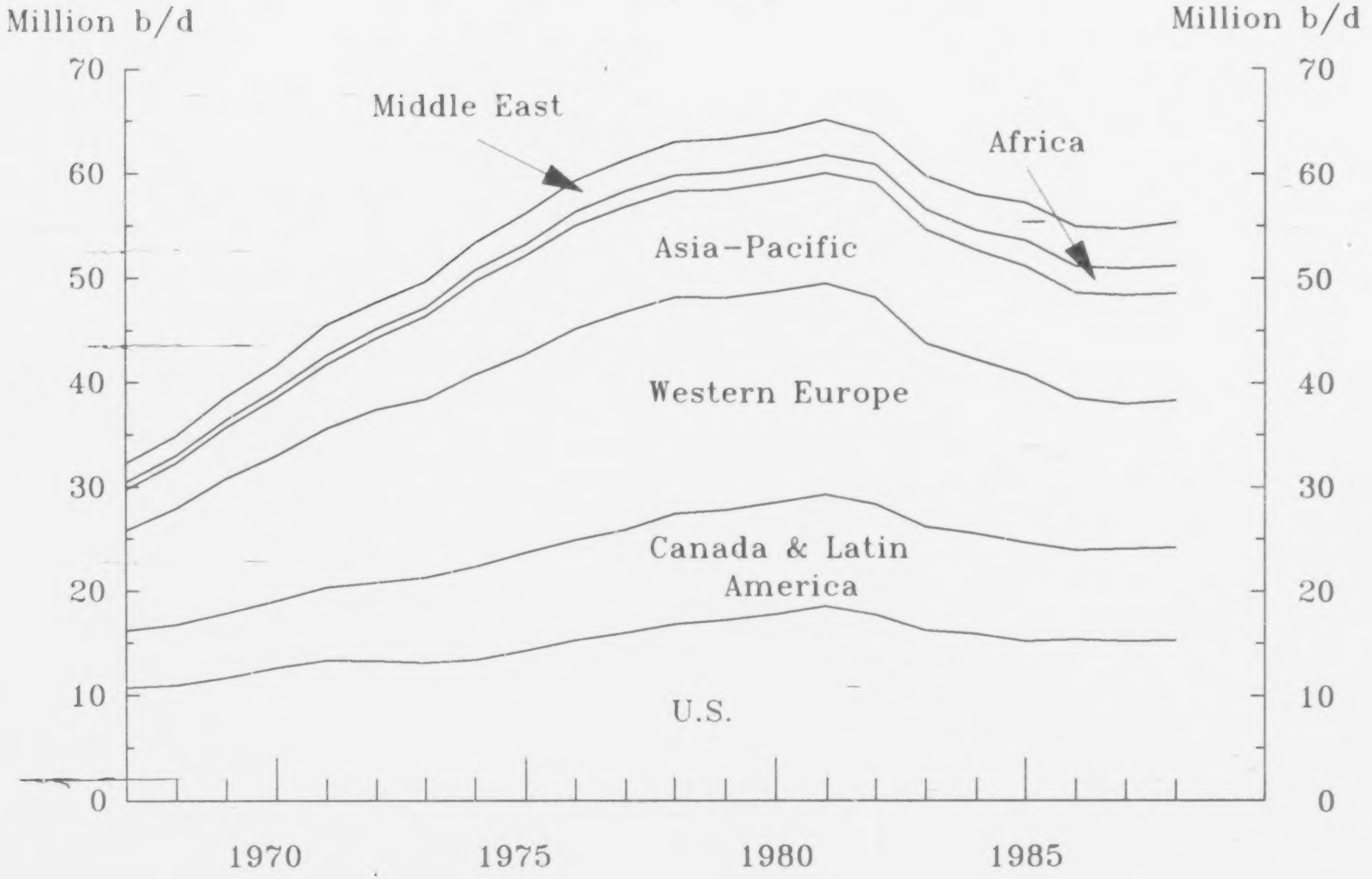
	1973	1974	1975	1976	1977	1978	1979	1980	1981
Africa	84.6	75.0	79.1	76.4	77.4	74.0	67.8	70.9	74.9
Australia & New Zealand	83.8	83.9	83.6	86.2	89.5	87.9	87.5	79.0	80.4
Canada	89.3	87.8	81.7	77.9	81.3	77.8	84.7	97.0	90.3
Japan	92.0	85.3	77.8	80.0	81.1	80.2	82.1	70.7	64.0
Latin America	87.5	79.8	74.5	73.0	71.1	73.1	72.1	73.1	73.8
Middle East	85.9	87.4	75.5	78.0	69.0	75.1	66.8	68.6	67.8
South Asia	90.1	75.9	66.0	74.8	77.1	78.2	81.8	81.0	89.8
South East Asia	66.1	58.5	56.7	65.8	64.8	72.2	72.4	69.2	71.4
United States	86.6	82.1	81.9	81.9	86.3	85.1	80.7	74.1	68.2
Western Europe	81.3	73.6	60.9	63.5	63.3	63.2	68.0	61.5	55.8
Total Non-Communist	84.4	78.3	71.6	73.1	73.9	74.3	74.4	70.1	66.4
Total Communist	88.8	88.9	87.2	86.5	86.6	88.2	86.9	85.9	81.2
Total World	**85.1**	**80.1**	**74.3**	**75.5**	**76.2**	**76.9**	**76.8**	**73.1**	**69.4**

	1982	1983	1984	1985	1986	1987
Africa	73.7	82.1	77.8	78.9	82.2	82.5
Australia & New Zealand	76.7	74.2	78.3	83.0	79.7	78.1
Canada	73.0	76.3	77.9	72.0	70.9	78.3
Japan	61.1	65.4	67.4	62.7	60.1	64.6
Latin America	69.6	70.1	72.1	75.0	73.9	74.5
Middle East	63.0	70.6	75.8	73.4	76.6	72.1
South Asia	84.4	86.3	88.9	88.7	91.4	88.4
South East Asia	67.2	64.0	60.4	67.1	71.9	73.4
United States	69.8	73.7	76.9	77.7	82.2	81.9
Western Europe	56.9	58.4	64.0	64.7	70.2	69.9
Total Non-Communist	65.4	68.0	71.1	71.9	75.3	75.3
Total Communist	80.2	79.4	80.2	81.8	81.9	82.2
Total World	**68.6**	**70.6**	**73.2**	**74.2**	**76.9**	**76.9**

Data from Oil & Gas Journal Energy Database.
Source: British Petroleum

Non-Communist Refining Capacity

At January 1



Source: OGJ

Worldwide Refining Capacity
By Continent
Estimated at January 1
Thousands of barrels per day

	1954	1955	1956	1957	1958	1959	1960
United States	8,090.3	8,437.3	8,643.5	9,391.0	9,570.0	9,955.0	10,250.0
Canada	514.6	587.4	608.7	751.0	795.0	872.0	920.0
Latin America	1,870.6	1,971.4	2,160.4	2,327.7	2,559.4	2,720.1	2,755.4
Western Hemisphere	**10,475.5**	**10,996.1**	**11,412.6**	**12,469.7**	**12,924.4**	**13,547.1**	**13,925.4**
Asia-Pacific	459.8	613.7	731.0	876.0	1,088.5	1,229.6	1,374.6
Western Europe	2,078.9	2,323.6	2,390.6	2,770.1	2,909.8	3,612.6	3,974.3
Middle East	1,159.7	1,184.3	1,279.7	1,242.6	1,260.6	1,432.8	1,434.8
Africa	72.4	68.4	72.4	93.4	98.4	100.1	116.5
Eastern Hemisphere	**3,770.8**	**4,190.0**	**4,473.7**	**4,982.1**	**5,357.3**	**6,375.1**	**6,900.2**
Total Non-Communist	**14,246.3**	**15,186.1**	**15,886.3**	**17,451.8**	**18,281.7**	**19,922.2**	**20,825.6**

	1961	1962	1963	1964	1965	1966
United States	10,400.0	10,573.4	10,491.0	10,620.0	10,750.0	10,800.0
Canada	1,002.3	1,015.7	1,065.7	1,100.5	1,100.0	1,150.0
Latin America	3,098.8	3,340.3	3,534.6	3,641.0	3,834.9	4,107.9
Western Hemisphere	**14,501.1**	**14,929.4**	**15,091.3**	**15,361.5**	**15,684.9**	**16,057.9**
Asia-Pacific	1,431.7	1,913.0	2,129.8	2,537.0	3,176.6	3,516.7
Western Europe	4,457.9	4,900.5	5,221.3	6,330.5	7,577.4	8,603.7
Middle East	1,481.8	1,507.1	1,652.5	1,701.7	1,701.8	1,792.2
Africa	122.5	140.3	196.8	365.2	502.9	613.3
Eastern Hemisphere	**7,493.9**	**8,460.9**	**9,200.4**	**10,934.4**	**12,958.7**	**14,525.9**
Total Non-Communist	**21,995.0**	**23,390.3**	**24,291.7**	**26,295.9**	**28,643.6**	**30,583.8**

Worldwide Refining Capacity
By Country
Estimated at January 1
Thousands of barrels per day

	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976
United States	10,721.6	10,952.5	11,658.0	12,600.0	13,293.0	13,284.9	13,087.0	13,383.0	14,216.3	15,230.0
Canada	1,174.3	1,206.6	1,305.7	1,400.0	1,450.0	1,444.5	1,725.0	1,788.1	1,877.6	2,023.6
Argentina	435.5	434.1	445.8	457.2	456.2	629.6	601.6	623.6	720.7	683.8
Bahamas	NA	NA	NA	NA	250.0	250.0	250.0	500.0	500.0	500.0
Brazil	370.4	379.9	462.4	501.6	504.6	564.0	718.3	791.8	961.8	986.3
Chile	91.0	91.0	90.0	91.0	111.0	136.0	123.5	123.5	123.5	149.2
Colombia	129.3	129.3	138.9	137.4	137.6	173.7	172.1	166.1	172.1	171.5
Ecuador	11.5	20.4	37.0	33.0	35.3	36.3	35.5	35.2	44.4	43.9
Mexico	394.0	517.5	575.5	494.5	574.2	592.0	624.5	625.0	760.0	760.0
Netherlands Antilles	795.0	795.0	795.0	840.0	790.0	838.9	880.0	945.0	900.0	849.0
Panama	55.0	55.0	70.0	78.0	75.0	75.0	75.0	75.0	100.0	100.0
Peru	63.6	90.0	103.6	91.5	91.5	105.6	101.5	106.8	129.6	129.7
Puerto Rico	155.0	155.0	155.0	155.0	140.0	151.0	291.0	307.8	283.8	283.8
Trinidad & Tobago	390.0	407.0	417.0	430.0	438.0	464.2	441.0	461.0	461.0	461.0
Venezuela	1,194.2	1,280.8	1,340.5	1,313.4	1,526.1	1,375.9	1,499.0	1,531.6	1,531.7	1,450.8
Virgin Islands	50.0	70.0	100.0	220.0	250.0	440.0	418.0	590.0	590.0	728.0
Other Latin America	149.1	158.5	160.8	176.9	206.1	214.8	219.8	261.3	258.0	270.5
Latin America	**4,283.6**	**4,583.5**	**4,891.5**	**5,019.5**	**5,585.6**	**6,047.0**	**6,450.8**	**7,143.7**	**7 536.6**	**7,567.5**
Western Hemisphere	**16,179.5**	**16,742.6**	**17,855.2**	**19,019.5**	**20,328.6**	**20,776.4**	**21,262.8**	**22,314.8**	**23,630.4**	**24,821.1**
Australia	508.3	535.0	580.5	594.0	640.0	699.0	632.7	680.9	722.2	707.1
India	346.5	337.2	386.2	446.2	429.3	437.3	489.1	499.1	555.1	564.1
Indonesia	268.2	268.2	268.2	268.2	251.2	420.0	424.0	427.7	427.7	427.7
Japan	2,211.1	2,388.9	2,692.2	3,139.7	3,698.8	3,816.1	4,525.6	5,151.8	5,345.8	5,629.1
Korea, South	50.0	55.0	115.0	180.0	250.0	220.0	430.0	420.0	425.0	435.0
Malaysia	NA	NA	NA	NA	NA	NA	NA	NA	NA	123.0
New Zealand	67.0	63.0	63.0	66.0	66.0	68.0	54.0	54.0	54.0	54.0
Pakistan	76.0	105.0	115.1	106.8	115.1	117.1	80.5	80.5	79.2	74.2
Philippines	121.0	171.0	180.0	182.0	205.0	221.0	276.3	283.8	274.0	247.0
Singapore	NA	NA	NA	NA	NA	299.3	390.2	699.6	845.7	922.7
Sri Lanka	NA	NA	NA	44.0	30.0	43.0	37.4	38.0	34.4	38.0
Taiwan	52.0	63.1	129.1	119.0	118.0	220.0	199.0	210.0	244.1	334.5
Thailand	46.2	46.2	62.2	62.2	96.2	86.2	155.8	166.2	166.2	166.2
Other Asia-Pacific	209.4	291.3	328.3	357.8	166.3	170.7	221.1	221.1	224.0	145.8
Asia-Pacific	**3,955.7**	**4,323.9**	**4,919.8**	**5,565.9**	**6,065.9**	**6,817.7**	**7,915.7**	**8,932.7**	**9,397.4**	**9,868.3**
Algeria	46.0	46.5	46.5	48.3	48.3	48.3	60.7	115.3	115.3	122.4
Egypt	189.0	169.0	175.0	175.0	175.0	210.0	98.5	180.0	18.0	180.0
Ivory Coast	19.0	19.0	19.0	19.0	19.0	22.8	24.4	44.2	42.9	40.0
Kenya	44.0	44.0	44.0	44.0	50.5	51.0	48.0	48.0	48.0	86.0
Libya	11.4	9.0	9.5	9.5	9.5	9.5	17.4	16.4	76.4	76.4
Morocco	34.0	33.5	35.0	35.0	35.0	37.0	58.6	58.5	58.6	67.8
Nigeria	42.0	35.0	40.0	46.0	55.0	55.0	60.0	60.0	60.0	57.0
South Africa	153.2	163.9	165.9	184.4	262.9	251.3	242.6	331.0	397.1	433.8
Other Africa	165.9	200.2	221.2	223.7	269.6	217.5	214.9	252.3	267.0	264.8
Africa	**704.5**	**720.1**	**756.1**	**784.9**	**924.8**	**902.4**	**825.1**	**1,105.7**	**1,083.3**	**1,328.2**

Worldwide Refining Capacity
By Country
Estimated at January 1
Thousands of barrels per day

	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976
Austria	97.0	97.1	97.1	94.1	159.5	155.0	220.5	220.0	220.0	280.0
Belgium	346.6	526.6	628.6	668.6	704.0	835.6	831.6	816.7	866.7	946.3
Cyprus	NA	NA	NA	NA	NA	NA	12.0	15.0	15.0	15.0
Denmark	116.9	131.9	167.9	186.0	196.0	227.5	221.8	226.5	220.0	226.0
Finland	111.0	111.0	176.5	173.5	173.0	168.0	186.0	196.0	196.0	336.0
France	1,704.5	1,835.3	2,154.8	2,316.8	2,533.8	2,691.6	2,949.3	3,140.0	3,341.6	3,311.6
Germany, West	1,794.1	2,167.5	2,351.4	2,358.6	2,541.8	2,563.8	2,697.7	2,825.7	2,986.7	3,103.1
Greece	94.0	95.6	95.0	102.0	102.0	110.0	124.5	313.6	411.0	420.0
Ireland	48.0	52.0	54.0	55.0	55.0	55.0	58.0	58.0	56.0	56.0
Italy	2,038.0	2,389.3	2,886.8	2,962.6	3,235.3	3,682.1	3,593.1	3,882.0	3,952.7	4,082.2
Netherlands	667.4	787.4	872.4	1,362.4	1,392.5	1,643.8	1,825.5	1,825.5	1,840.7	1,984.7
Norway	63.0	103.0	113.0	123.0	202.0	167.4	173.0	168.0	168.0	259.0
Portugal	37.0	37.0	37.0	37.0	84.0	84.0	79.8	110.0	110.0	190.0
Spain	429.9	519.8	678.4	685.4	846.0	866.0	1,025.7	1,163.0	1,165.0	1,322.5
Sweden	80.0	220.0	244.0	230.0	236.0	259.1	243.6	248.0	248.0	413.2
Switzerland	95.0	100.0	100.0	106.0	102.0	107.6	120.0	140.0	138.0	138.0
Turkey	124.0	134.0	133.0	149.0	290.0	291.9	286.0	305.5	315.5	315.5
United Kingdom	1,736.5	1,844.0	2,071.4	2,301.4	2,392.3	2,588.3	2,464.6	2,762.1	2,783.0	2,888.8
Western Europe	**9,582.9**	**11,151.5**	**12,861.3**	**13,911.4**	**15,245.2**	**16,496.7**	**17,112.7**	**18,415.6**	**19,033.9**	**20,287.8**
Abu Dhabi	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bahrain	205.0	205.0	205.0	205.0	216.0	215.8	250.0	250.0	250.0	250.0
Iran	514.0	554.2	632.0	644.8	632.8	653.0	620.0	660.0	789.0	780.0
Iraq	77.9	77.9	82.9	103.5	102.9	101.5	98.5	98.5	168.5	168.5
Israel	100.0	115.0	115.0	107.0	132.0	140.0	147.4	212.0	201.0	181.0
Jordan	7.5	7.5	7.5	7.4	15.6	11.0	14.8	14.1	21.2	21.2
Kuwait	360.0	360.0	489.0	489.0	504.0	644.0	647.0	646.0	646.0	684.8
Qatar	0.6	0.6	0.6	0.7	0.9	0.6	0.7	1.0	6.8	7.4
Saudi Arabia	285.0	285.0	315.0	377.0	906.0	507.0	428.3	428.3	610.3	537.2
South Yemen	175.0	175.0	178.0	178.0	178.0	178.0	160.2	162.0	169.1	169.1
Syria	25.0	22.0	22.0	59.0	59.0	54.0	51.3	51.3	49.7	116.7
Other Middle East	86.2	116.5	116.5	117.5	134.5	54.5	53.5	53.5	53.5	53.5
Middle East	**1,836.2**	**1,918.7**	**2,163.5**	**2,288.9**	**2,881.7**	**2,559.4**	**2,471.7**	**2,576.7**	**2,965.1**	**2,969.5**
Eastern Hemisphere	**16,079.3**	**18,114.2**	**20,700.7**	**22,551.1**	**25,117.6**	**26,776.2**	**28,325.2**	**31,030.7**	**32,479.6**	**34,453.8**
Total Non-Communist	**32,258.8**	**34,856.8**	**38,555.9**	**41,570.6**	**45,446.2**	**47,552.8**	**49,588.0**	**53,345.5**	**56,110.[illegible]**	**59,274.9**

Worldwide Refining Capacity
By Country
Estimated at January 1
Thousands of barrels per day

	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
United States	**15,930.0**	**16,760.0**	**17,150.0**	**17,719.9**	**18,465.4**	**17,669.4**	**16,157.2**	**15,862.9**	**15,136.3**	**15,258.2**
Canada	**2,100.0**	**2,165.0**	**2,225.0**	**2,222.1**	**2,168.3**	**2,095.6**	**2,084.9**	**1,806.6**	**1,868.5**	**1,855.8**
Argentina	703.1	655.2	655.0	676.2	678.6	676.7	675.7	678.4	678.4	667.2
Bahamas	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	350.0	NA
Brazil	1,117.6	1,161.0	1,209.2	1,205.0	1,401.6	1,406.6	1,219.0	1,301.4	1,305.1	1,305.1
Chile	139.5	129.5	144.0	139.2	139.2	141.0	141.0	141.0	141.0	141.0
Colombia	165.0	165.0	173.5	193.5	198.5	198.5	213.5	211.0	211.0	211.0
Ecuador	40.9	96.3	92.8	86.1	87.1	90.2	78.9	83.6	82.3	87.6
Mexico	935.0	1,383.5	1,243.5	1,393.5	1,393.5	1,470.0	1,289.0	1,269.0	1,269.0	1,269.0
Netherlands Antilles	810.0	842.0	842.0	792.0	782.0	782.0	782.0	740.0	740.0	320.0
Panama	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Peru	115.9	170.7	170.1	170.1	168.9	161.6	168.5	168.6	175.6	175.6
Puerto Rico	283.8	284.0	284.0	283.8	284.0	284.0	123.0	121.0	121.0	121.0
Trinidad & Tobago	461.0	461.0	461.0	456.0	456.0	456.0	375.0	375.0	320.0	260.0
Venezuela	1,446.3	1,445.5	1,445.5	1,445.5	1,348.8	1,323.1	1,283.7	1,224.2	1,224.2	1,229.7
Virgin Islands	728.0	782.0	728.0	728.0	728.0	640.0	600.0	600.0	545.0	600.0
Other Latin America	247.1	251.7	290.3	292.7	284.7	290.4	304.6	271.2	271.6	270.7
Latin America	**7,793.2**	**8,427.4**	**8,338.9**	**8,461.6**	**8,550.9**	**8,520.1**	**7,853.8**	**7,784.4**	**7,534.2**	**6,757.9**
Western Hemisphere	**25,823.2**	**27,352.4**	**27,713.9**	**28,403.6**	**29,184.6**	**28,285.1**	**26,095.8**	**25,453.8**	**24,539.0**	**23,871.9**
Australia	706.1	708.5	708.1	724.6	743.1	741.6	715.6	722.1	696.9	622.6
India	567.5	563.5	625.8	556.8	556.8	556.8	752.7	778.7	704.8	866.7
Indonesia	427.7	527.7	527.7	527.7	445.2	498.2	341.3	387.0	630.5	635.8
Japan	5,732.3	5,670.7	5,675.6	5,707.5	5,662.0	5,809.1	5,731.4	5,173.4	4,966.0	4,723.4
Korea, South	424.3	475.0	542.0	601.2	606.7	754.5	754.5	775.9	776.0	782.0
Malaysia	168.0	168.0	140.0	172.0	177.0	175.0	175.0	205.0	205.0	212.3
New Zealand	54.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	53.0	53.0
Pakistan	73.9	105.7	110.1	98.0	122.0	133.1	133.1	126.5	128.8	130.0
Philippines	251.0	253.0	253.3	253.3	246.3	286.0	286.0	286.0	286.0	216.0
Singapore	917.7	917.7	917.7	920.8	1,068.8	1,096.0	1,096.0	1,101.0	1,072.0	1,018.0
Sri Lanka	38.0	38.0	38.0	38.0	50.0	50.0	50.0	50.0	50.0	50.0
Taiwan	425.4	425.4	425.4	425.4	515.4	515.4	515.4	515.4	542.5	542.5
Thailand	160.7	160.7	160.7	186.0	186.0	176.0	176.0	176.0	171.6	191.9
Other Asia-Pacific	101.5	89.0	86.7	101.1	101.4	101.2	101.2	102.2	110.6	67.5
Asia-Pacific	**10,048.0**	**10,176.9**	**10,285.0**	**10,386.4**	**10,554.7**	**10,966.8**	**10,902.2**	**10,473.1**	**10,393.6**	**10,111.7**
Algeria	122.4	122.4	122.4	122.4	122.4	122.4	137.4	137.4	464.7	464.7
Egypt	236.0	234.0	251.0	234.0	292.0	292.0	340.7	369.3	369.3	434.2
Ivory Coast	40.5	39.0	39.0	50.4	50.4	50.4	90.1	90.1	90.1	90.0
Kenya	86.0	95.0	95.0	95.0	95.0	79.0	79.0	79.0	95.0	95.0
Libya	134.6	134.6	137.1	137.6	142.0	129.5	129.5	125.0	329.8	329.8
Morocco	67.8	72.0	72.0	72.0	72.0	72.0	74.0	74.0	79.7	81.3
Nigeria	60.0	60.0	159.0	160.0	160.0	253.5	260.0	247.0	250.4	250.4
South Africa	433.5	445.8	478.0	478.5	468.5	423.5	423.5	388.5	388.5	388.5
Other Africa	263.6	264.4	314.1	316.2	295.4	339.6	348.0	369.7	389.7	396.5
Africa	**1,444.4**	**1,467.2**	**1,667.6**	**1,666.1**	**1,697.7**	**1,761.9**	**1,882.1**	**1,880.0**	**2,457.2**	**2,530.4**

Worldwide Refining Capacity
By Country
Estimated at January 1
Thousands of barrels per day

	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Austria	280.0	280.0	280.0	280.0	280.0	244.0	268.5	268.0	273.0	204.0
Belgium	1,095.3	1,067.3	971.9	1,064.0	1,055.9	1,034.5	692.6	694.1	692.5	652.1
Cyprus	15.0	15.0	15.0	16.0	16.0	16.0	15.5	15.0	16.0	16.0
Denmark	226.0	220.0	215.0	214.0	215.0	215.0	215.0	174.0	176.0	166.0
Finland	336.0	336.0	336.0	336.0	336.0	299.0	299.0	299.0	299.0	241.0
France	3,517.1	3,455.6	3,468.6	3,384.9	3,341.5	3,291.0	2,871.0	2,670.4	2,386.0	1,946.9
Germany, West	3,075.5	3,081.4	3,103.0	2,985.7	3,021.2	2,937.3	2,471.3	2,386.3	2,171.6	1,932.8
Greece	407.0	407.0	411.0	431.0	428.0	427.0	422.0	368.7	390.0	390.0
Ireland	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
Italy	4,259.1	4,226.2	4,196.9	4,131.3	4,091.9	4,002.6	3,283.4	3,050.1	3,095.2	2,738.1
Netherlands	2,030.7	1,868.7	1,857.3	1,827.5	1,827.0	1,707.5	1,551.5	1,551.5	1,498.5	1,468.4
Norway	259.0	264.0	264.0	264.0	252.7	242.7	242.7	242.7	244.2	240.0
Portugal	190.0	415.0	360.8	378.4	341.0	364.9	364.9	281.9	289.9	295.6
Spain	1,277.5	1,270.5	1,424.9	1,455.9	1,463.8	1,517.4	1,522.0	1,493.0	1,493.0	1,367.0
Sweden	434.5	423.9	410.9	457.9	450.9	470.8	452.8	452.8	439.0	429.0
Switzerland	137.3	137.3	137.3	137.3	102.3	137.3	137.3	137.0	127.0	137.0
Turkey	325.5	325.7	338.0	335.7	355.7	367.4	467.4	472.5	460.5	460.5
United Kingdom	3,014.3	2,911.0	2,526.8	2,527.5	2,629.5	2,481.5	2,259.5	2,091.5	2,007.7	1,791.7
Western Europe	**20,935.7**	**20,760.6**	**20,373.3**	**20,283.0**	**20,264.5**	**19,811.9**	**17,592.4**	**16,704.4**	**16,115.1**	**14,532.0**
Abu Dhabi	15.0	15.0	15.0	13.5	13.5	128.3	135.0	185.3	185.3	185.3
Bahrain	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0
Iran	780.5	910.5	920.5	920.5	1,120.5	530.0	530.0	530.0	530.0	530.0
Iraq	168.5	168.5	168.5	168.5	168.5	168.5	168.5	168.5	318.5	318.5
Israel	201.0	201.0	195.0	195.0	190.0	190.0	190.0	190.0	170.0	170.0
Jordan	24.4	29.6	30.3	20.7	36.2	91.3	100.0	100.0	100.0	100.0
Kuwait	684.8	712.0	712.0	645.0	645.0	623.0	623.0	622.8	668.6	633.6
Qatar	9.2	9.8	10.5	10.8	12.8	13.3	11.8	63.2	56.1	56.1
Saudi Arabia	603.2	586.1	487.3	487.3	487.3	487.3	705.0	860.0	840.0	1,115.0
South Yemen	169.1	142.9	142.9	175.0	175.0	178.0	178.0	130.0	178.0	161.5
Syria	116.7	102.4	223.0	223.0	223.0	223.0	228.8	228.8	228.8	228.8
Other Middle East	0.0	53.0	53.0	53.0	52.0	52.0	97.9	100.1	67.0	65.1
Middle East	**3,022.4**	**3,180.8**	**3,208.0**	**3,162.4**	**3,373.9**	**2,934.8**	**3,217.9**	**3,428.6**	**3,592.2**	**3,813.8**
Eastern Hemisphere	**35,450.4**	**35,585.4**	**35,534.0**	**35,497.9**	**35,890.8**	**35,475.4**	**33,594.8**	**32,486.1**	**32,558.0**	**30,987.8**
Total Non-Communist	**61,273.6**	**62,937.7**	**63,247.9**	**63,901.5**	**65,075.4**	**63,760.5**	**59,690.5**	**57,940.0**	**57,097.0**	**54,859.7**
China	1,398.0	1,461.0	1,578.0	1,600.0	1,810.0	1,810.0	2,000.0	2,050.0	2,150.0	2,150.0
U.S.S.R.	9,100.0	9,979.0	10,478.0	10,950.0	11,400.0	11,600.0	11,750.0	12,000.0	12,200.0	12,200.0
Other Communist	2,569.8	2,498.0	2,692.0	2,796.0	2,826.5	3,123.0	3,123.0	3,150.0	3,150.0	3,150.0
Total Communist	**13,067.8**	**13,938.0**	**14,748.0**	**15,346.0**	**16,036.5**	**16,533.0**	**16,873.0**	**17,200.0**	**17,500.0**	**17,500.0**
Total World	**74,341.4**	**76,875.7**	**77,995.9**	**79,247.5**	**81,111.9**	**80,293.5**	**76,563.5**	**75,140.0**	**74,597.0**	**72,359.7**

Worldwide Refining Capacity
By Country
Estimated at January 1
Thousands of barrels per day

	1987	1988
United States	15,258.2	15,288.3
Canada	1,759.7	1,868.9
Argentina	669.8	689.5
Bahamas	NA	NA
Brazil	1,321.1	1,407.3
Chile	150.5	141.0
Colombia	226.0	226.0
Ecuador	87.6	122.0
Mexico	1,349.0	1,354.0
Netherlands Antilles	320.0	320.0
Panama	100.0	100.0
Peru	175.6	182.0
Puerto Rico	121.0	123.0
Trinidad & Tobago	300.0	300.0
Venezuela	1,224.7	1,201.1
Virgin Islands	600.0	545.0
Other Latin America	271.8	276.9
Latin America	6,917.0	6,987.8
Western Hemisphere	23,934.9	24,145.0
Australia	626.1	637.1
India	991.1	1,058.7
Indonesia	635.8	714.2
Japan	4,790.1	4,566.9
Korea, South	862.0	820.0
Malaysia	212.3	212.3
New Zealand	54.0	81.7
Pakistan	130.0	130.1
Philippines	286.0	286.0
Singapore	961.0	858.0
Sri Lanka	50.0	50.0
Taiwan	542.5	600.0
Thailand	191.9	191.9
Other Asia-Pacific	67.5	67.5
Asia-Pacific	10,400.2	10,274.3
Algeria	464.7	464.7
Egypt	452.1	452.1
Ivory Coast	73.0	60.0
Kenya	95.0	90.0
Libya	329.4	329.4
Morocco	81.3	154.6
Nigeria	250.4	270.0
South Africa	388.5	433.5
Other Africa	389.2	375.9
Africa	2,523.6	2,630.3

Worldwide Refining Capacity
By Country
Estimated at January 1
Thousands of barrels per day

	1987	1988
Austria	204.0	204.0
Belgium	647.5	630.5
Cyprus	16.0	16.0
Denmark	166.0	177.0
Finland	241.0	241.0
France	1,834.1	1,940.6
Germany, West	1,719.8	1,647.8
Greece	384.5	384.5
Ireland	56.0	56.0
Italy	2,678.7	2,563.1
Netherlands	1,400.8	1,381.0
Norway	240.0	240.0
Portugal	294.3	294.3
Spain	1,305.0	1,305.0
Sweden	436.5	436.5
Switzerland	65.0	132.0
Turkey	460.5	675.6
United Kingdom	1,779.7	1,802.7
Western Europe	**13,929.3**	**14,127.6**
Abu Dhabi	185.3	180.0
Bahrain	250.0	250.0
Iran	530.0	530.0
Iraq	318.5	318.5
Israel	180.0	180.0
Jordan	100.0	100.0
Kuwait	618.0	628.0
Qatar	62.0	62.0
Saudi Arabia	1,125.0	1,375.0
South Yemen	170.0	170.0
Syria	228.8	228.8
Other Middle East	95.1	123.9
Middle East	**3,862.6**	**4,146.2**
Eastern Hemisphere	**30,715.8**	**31,178.4**
Total Non-Communist	**54,650.7**	**55,323.4**
China	2,200.0	2,200.0
U.S.S.R.	12,260.0	12,260.0
Other Communist	3,150.0	3,150.0
Total Communist	**17,610.0**	**17,610.0**
Total World	**72,260.7**	**72,933.4**

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Volume of Refined Products
Produced at OPEC Refineries
Thousands of barrels per day

	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975
Algeria	36.1	33.6	40.9	41.7	42.6	47.9	45.2	53.4	100.9	89.9	113.2
Ecuador	15.0	15.7	16.7	20.1	21.2	23.8	26.5	27.8	31.0	35.4	39.8
Gabon	NA	NA	1.4	13.4	13.9	16.7	18.6	17.8	20.2	17.3	17.0
Indonesia	194.4	181.9	175.3	178.9	198.4	200.8	217.8	270.4	292.0	307.2	304.1
Iran	385.2	402.3	413.7	460.8	492.4	509.6	527.9	524.4	554.7	592.3	644.2
Iraq	55.2	58.1	54.8	62.8	64.8	77.7	75.3	92.2	82.2	106.3	135.5
Kuwait	220.5	244.3	250.5	343.8	311.7	404.3	452.1	366.4	371.5	332.1	289.6
Libya	NA	NA	5.2	6.8	7.9	8.7	7.7	8.6	8.4	7.6	37.6
Nigeria	3.5	31.2	11.6	0.3	1.0	19.4	40.8	43.6	56.7	53.8	46.7
Qatar	0.4	0.4	0.4	0.6	0.4	0.7	0.5	0.6	0.7	0.5	3.7
Saudi Arabia	300.6	309.2	366.1	442.8	465.6	617.3	600.6	599.2	644.3	648.2	577.6
United Arab Emirates	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Venezuela	1,174.7	1,175.0	1,164.2	1,185.9	1,155.6	1,290.1	1,239.9	1,127.5	1,302.5	1,196.0	869.5
Total OPEC	**2,385.6**	**2,451.7**	**2,500.8**	**2,757.9**	**2,775.5**	**3,217.0**	**3,252.9**	**3,131.9**	**3,465.1**	**3,386.6**	**3,078.5**

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Algeria	100.4	88.5	141.1	153.0	217.4	283.7	400.2	386.8	407.9	416.1	419.4
Ecuador	42.0	39.4	79.6	85.3	90.3	86.7	89.9	73.3	90.7	83.6	89.1
Gabon	27.2	34.2	33.5	27.1	23.1	24.9	26.9	17.1	11.7	12.3	9.9
Indonesia	306.6	421.3	436.9	509.7	526.9	530.8	534.0	526.1	499.3	501.4	550.0
Iran	651.9	724.9	670.0	661.0	582.3	626.6	658.7	624.0	616.0	647.0	634.0
Iraq	154.7	166.4	182.6	183.0	187.0	190.0	190.5	292.0	340.0	344.0	353.0
Kuwait	360.7	351.0	373.3	439.8	336.5	276.3	420.0	468.4	478.9	566.3	583.3
Libya	51.0	94.2	113.6	98.4	108.6	111.3	121.6	126.4	128.5	143.9	142.3
Nigeria	55.5	48.2	60.2	89.0	120.9	151.9	162.1	151.2	160.2	135.2	136.0
Qatar	5.4	6.5	6.2	9.4	7.7	7.8	7.4	8.4	14.2	23.2	28.0
Saudi Arabia	697.0	680.5	720.4	746.8	736.9	758.8	804.8	877.2	917.6	961.0	1,005.0
United Arab Emirates	6.1	11.0	10.8	11.3	11.8	54.8	84.0	108.6	142.2	148.5	166.0
Venezuela	986.0	975.8	991.4	1,009.7	933.0	874.0	881.7	893.6	907.8	947.8	936.7
Total OPEC	**3,444.5**	**3,641.9**	**3,819.6**	**4,023.5**	**3,882.4**	**3,977.6**	**4,381.8**	**4,553.1**	**4,717.0**	**4,930.3**	**5,052.7**

Data from Oil & Gas Journal Energy Database.
Source: OPEC Secretariat

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U.S. Crude Oil Stocks
(Excluding SPR* Stocks)
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1971	269,806	266,864	267,246	271,445	284,320	279,337	273,235	272,417	269,771	265,899	265,552	259,648	**259,648**
1972	251,012	252,945	258,902	266,636	279,490	271,381	265,843	257,976	250,802	253,748	251,306	246,395	**246,395**
1973	237,469	235,362	244,131	248,783	257,867	248,857	243,673	248,314	241,276	246,297	249,996	242,478	**242,478**
1974	233,035	240,723	244,665	256,385	269,455	268,765	268,686	264,840	266,726	269,437	271,144	265,020	**265,020**
1975	270,462	276,755	279,989	281,908	280,961	276,132	264,157	256,616	259,446	269,584	270,950	271,354	**271,354**
1976	289,296	277,414	283,112	286,628	283,982	281,715	282,599	277,272	284,357	297,683	298,836	285,471	**285,471**
1977	294,116	291,462	299,533	318,872	328,755	333,746	335,313	338,865	334,133	340,549	345,197	340,228	**340,228**
1978	341,371	335,890	345,482	343,363	329,101	333,340	332,909	316,866	321,172	325,081	322,045	309,421	**309,421**
1979	302,059	302,374	316,690	319,075	316,322	325,860	312,946	320,965	323,939	344,854	347,415	339,074	**339,074**
1980	357,500	365,965	367,420	379,788	383,420	381,472	378,742	387,223	376,388	378,503	373,077	358,166	**358,166**
1981	373,955	378,161	392,954	397,497	393,718	384,736	385,852	362,001	355,982	364,023	365,995	363,464	**363,464**
1982	370,962	371,762	360,709	354,819	348,464	344,130	345,681	352,869	340,675	350,969	357,550	349,730	**349,730**
1983	359,835	363,265	355,003	361,150	352,521	350,530	335,131	348,702	346,659	348,919	341,434	343,850	**343,850**
1984	348,660	340,160	336,390	345,593	358,995	352,858	347,917	334,616	325,207	342,971	343,839	345,376	**345,376**
1985	336,127	321,509	329,624	341,908	356,630	344,058	326,977	318,474	317,365	313,687	320,943	320,892	**320,892**
1986	331,677	331,724	340,900	337,791	328,640	326,654	341,798	332,713	337,799	343,892	339,084	331,224	**331,224**
1987	333,029	331,858	332,451	328,957	324,703	327,598	323,750	323,468	337,164	355,894	363,637	348,995	**348,995**

* Strategic Petroleum Reserve

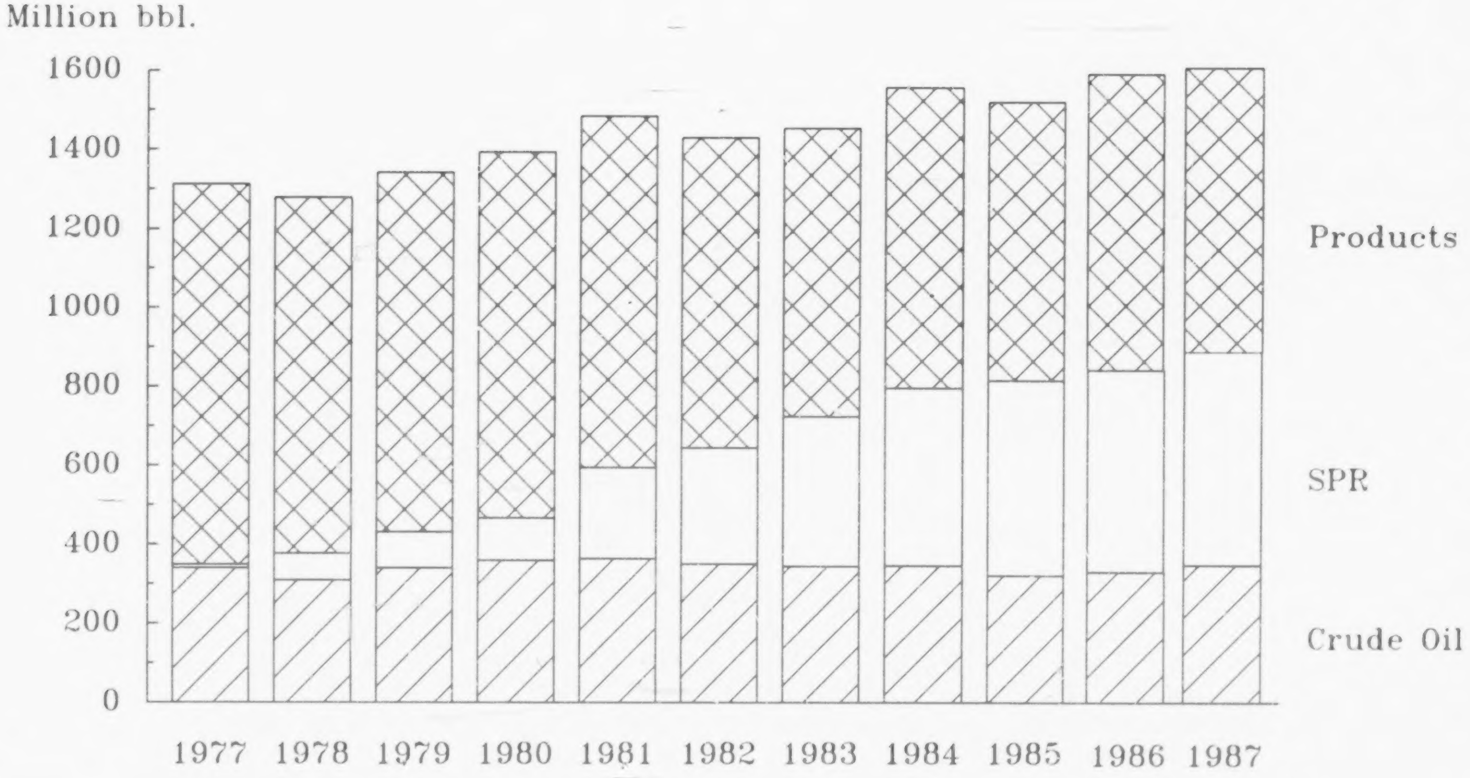
Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

U.S. Crude Oil Stocks in the Strategic Petroleum Reserve
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1977										2,646	5,084	7,455	**7,455**
1978	11,106	14,276	18,437	21,825	25,629	30,140	35,248	40,968	47,090	53,113	59,312	66,860	**66,860**
1979	73,142	78,166	82,501	83,867	86,880	88,567	90,101	91,189	91,189	91,191	91,191	91,191	**91,191**
1980	91,191	91,191	91,191	91,191	91,191	91,191	91,191	91,191	92,824	96,645	102,320	107,800	**107,800**
1981	112,490	116,057	120,860	134,170	150,068	163,081	173,128	184,674	199,247	214,777	222,542	230,341	**230,341**
1982	235,271	241,241	248,537	255,534	260,994	264,141	267,154	273,593	277,884	284,592	289,963	293,827	**293,827**
1983	300,613	306,133	311,830	317,735	326,833	332,484	340,672	351,780	361,000	367,240	371,291	379,089	**379,089**
1984	384,449	387,238	391,794	396,881	404,478	413,735	423,904	429,467	431,069	436,839	443,046	450,505	**450,505**
1985	457,409	460,138	461,617	464,940	471,930	476,571	483,538	487,126	489,255	489,881	491,464	493,316	**493,316**
1986	494,392	495,381	496,892	498,781	499,877	501,787	503,400	504,974	506,385	507,514	509,471	511,565	**511,565**
1987	514,910	516,709	519,987	521,983	525,129	527,187	530,012	531,978	533,890	535,652	538,547	540,648	**540,648**

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

U.S. Stocks of Crude and Products



Source: EIA

Total U.S. Refined Product Stocks
(Including Unfinished Oils)
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1971	710,621	676,976	667,159	674,273	701,645	724,185	762,737	793,254	813,717	831,531	809,652	784,299	**784,299**
1972	762,922	711,158	683,398	679,998	704,943	720,251	757,555	767,331	795,386	796,874	762,613	712,584	**712,584**
1973	668,242	630,943	643,031	664,517	675,832	709,154	742,625	748,641	774,365	791,143	773,240	765,829	**765,829**
1974	742,028	706,448	708,430	726,201	760,580	791,432	818,761	836,121	847,109	836,245	832,202	808,626	**808,626**
1975	828,682	809,459	796,371	775,253	788,435	795,018	822,193	850,299	887,892	886,541	908,695	861,601	**861,601**
1976	799,324	792,822	777,377	770,407	789,240	811,835	851,795	880,438	907,183	906,172	881,984	826,339	**826,339**
1977	770,796	759,029	787,275	802,314	842,631	861,526	903,824	930,547	969,552	993,254	996,033	964,217	**964,217**
1978	916,057	841,142	803,891	808,880	821,991	821,644	854,251	863,558	894,670	901,295	910,238	901,338	**901,338**
1979	855,764	770,909	743,236	763,496	774,764	795,320	851,978	870,649	893,674	893,593	900,750	910,597	**910,597**
1980	902,478	886,164	889,231	896,092	912,203	938,273	955,501	970,174	977,835	954,518	957,037	926,262	**926,262**
1981	901,328	894,325	887,395	882,959	894,568	882,376	879,542	910,508	920,744	905,963	912,942	889,843	**889,843**
1982	849,618	815,171	782,701	735,197	737,231	751,902	780,624	782,004	795,405	796,857	807,690	786,367	**786,367**
1983	792,032	760,861	704,745	695,496	714,161	722,443	750,631	759,043	777,675	791,370	796,830	730,698	**730,698**
1984	696,140	735,982	716,102	719,270	732,724	735,988	741,235	733,427	756,505	764,116	769,437	760,346	**760,346**
1985	718,475	680,753	668,273	666,591	678,950	690,421	705,787	688,185	695,824	691,965	710,990	704,561	**704,561**
1986	709,244	686,721	650,766	642,921	677,305	714,452	727,534	744,610	773,791	759,042	763,465	749,723	**749,723**
1987	738,074	714,803	704,252	688,307	691,[illegible]14	693,175	704,714	727,559	734,651	718,431	732,764	717,808	**717,808**

Data from Oil & Gas Journal Energy Database
Source: Bureau of Mines, Energy Information Administration

Total Motor Gasoline Stocks
(Including Blending Components)
Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1971	232,079	245,310	245,659	230,349	221,714	209,595	203,010	204,225	207,885	208,525	208,959	219,352	**219,352**
1972	239,912	250,236	237,177	225,552	215,089	200,353	200,975	192,967	199,927	207,915	209,032	212,894	**212,894**
1973	221,954	216,484	207,732	204,877	202,201	208,466	211,572	205,189	210,359	214,610	207,418	209,478	**209,478**
1974	217,542	219,105	220,347	223,805	218,711	217,421	218,889	219,004	227,070	220,797	218,444	218,410	**218,410**
1975	242,340	251,974	248,749	232,619	213,997	207,155	212,504	215,512	226,478	221,532	232,139	234,978	**234,978**
1976	240,510	248,901	239,097	224,008	225,079	225,408	226,961	230,614	229,793	226,355	227,787	231,432	**231,432**
1977	252,655	255,558	262,164	258,877	262,545	256,489	258,230	256,941	255,895	255,251	258,584	257,623	**257,623**
1978	272,097	270,868	259,597	248,925	233,534	219,484	216,399	208,999	216,524	213,692	220,542	237,979	**237,979**
1979	257,021	252,592	240,111	236,711	228,569	231,125	241,608	232,827	229,662	218,178	220,578	237,200	**237,200**
1980	262,274	274,543	282,832	271,971	263,201	264,957	260,877	259,135	258,304	246,517	257,289	261,406	**261,406**
1981	276,411	284,349	285,312	272,279	258,369	241,617	227,718	233,382	237,109	236,099	248,446	253,001	**253,001**
1982	260,894	256,708	246,574	221,288	213,941	218,504	225,875	226,926	233,628	234,399	230,063	235,431	**235,431**
1983	249,759	250,288	223,073	220,705	223,178	222,572	230,548	226,296	229,098	227,399	235,861	222,434	**222,434**
1984	225,695	237,104	242,633	247,990	252,634	245,523	238,101	224,363	234,146	232,418	240,136	243,296	**243,296**
1985	233,663	224,884	218,816	214,979	214,875	218,344	226,471	221,583	223,098	213,853	217,013	222,839	**222,839**
1986	238,330	243,530	218,756	207,454	220,502	230,480	224,028	221,586	233,945	222,356	229,370	233,057	**233,057**
1987	251,111	250,082	248,050	241,750	234,908	230,421	226,353	226,459	229,648	218,022	225,190	226,183	**226,183**

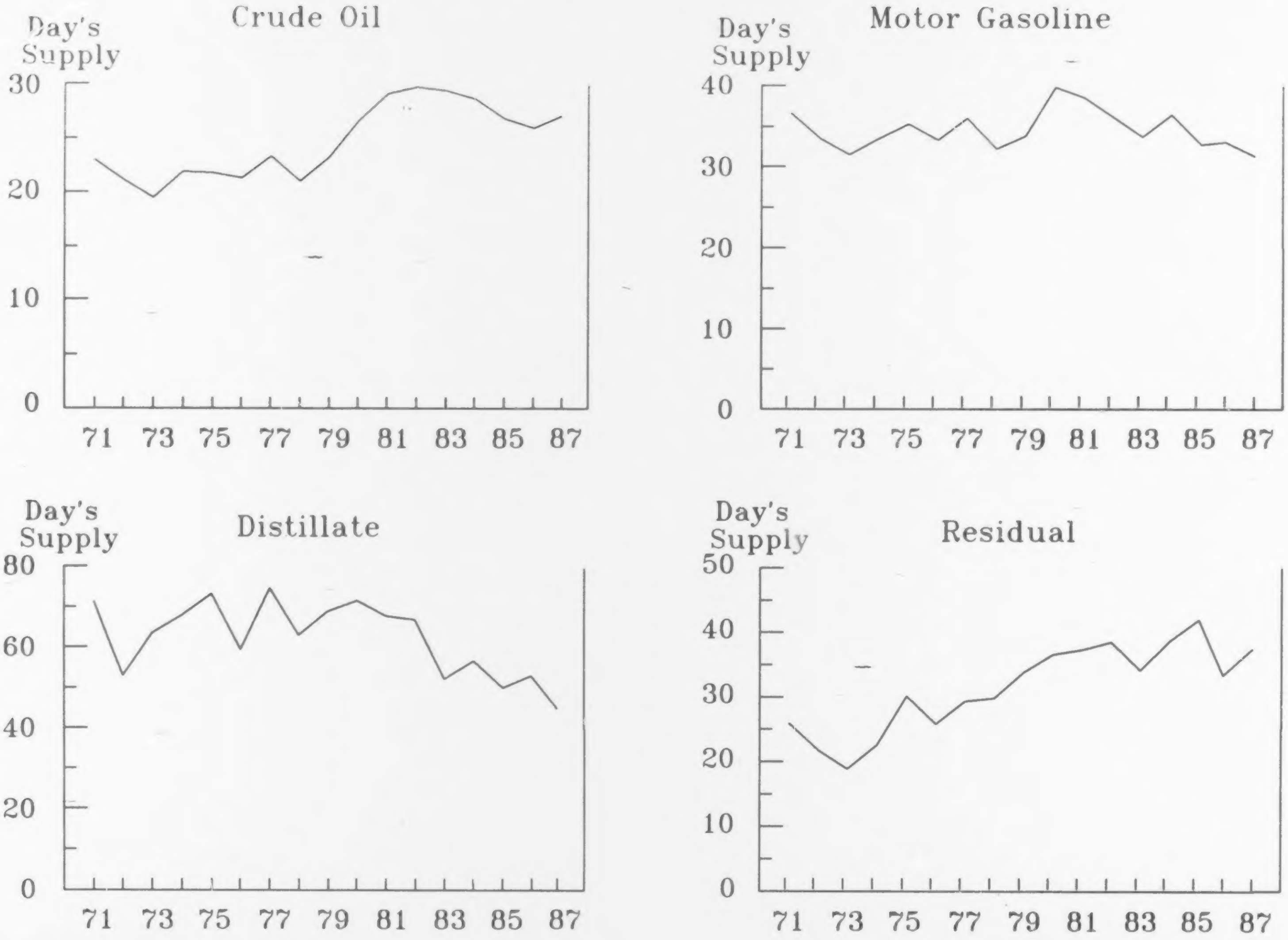
Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Motor Gasoline Stocks
By Type, Total U.S.
Thousands of barrels

		January	February	March	April	May	June	July	August	September	October	November	December	Annual
1981:	Leaded	127,058	129,713	133,277	127,433	113,926	101,195	97,954	98,341	97,504	98,084	103,973	108,085	**108,085**
	Unleaded	99,457	100,107	99,069	95,839	98,673	92,734	87,662	90,213	93,148	92,365	96,617	95,325	**95,325**
1982:	Leaded	111,145	106,930	101,838	89,973	88,002	90,002	92,941	93,151	93,453	94,990	95,643	98,169	**98,169**
	Unleaded	102,076	101,438	96,216	88,554	85,066	87,100	89,687	91,973	97,613	97,372	93,686	96,259	**96,259**
1983:	Leaded	105,657	104,008	90,779	90,901	93,417	95,123	97,958	95,416	94,631	93,722	96,430	94,092	**94,092**
	Unleaded	101,555	102,523	91,944	91,900	91,959	87,741	91,888	89,426	94,685	93,370	99,592	91,411	**91,411**
1984:	Leaded	92,285	96,488	97,749	100,775	100,968	96,683	91,825	85,381	87,516	84,007	88,421	92,305	**92,305**
	Unleaded	93,261	100,163	104,371	106,366	109,436	107,460	107,911	100,486	106,586	109,032	110,117	112,887	**112,887**
1985:	Leaded	88,700	82,457	80,821	77,450	75,451	85,134	80,013	79,134	76,131	71,516	74,525	81,439	**81,439**
	Unleaded	109,658	106,733	104,819	104,358	105,629	101,114	112,052	108,988	111,318	108,636	108,735	108,869	**108,869**
1986:	Leaded	80,846	79,319	70,903	65,802	70,907	74,147	72,695	69,387	69,909	64,755	67,188	68,231	**68,231**
	Unleaded	120,221	126,110	113,107	108,056	116,906	121,623	117,216	117,950	126,084	119,691	123,263	126,011	**126,011**
1987:	Leaded	70,710	68,658	65,074	59,409	57,551	55,646	54,720	53,836	55,025	51,609	53,504	53,117	**53,117**
	Unleaded	139,893	137,906	139,896	141,580	138,360	136,923	134,158	134,151	136,165	130,224	134,565	135,694	**135,694**

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Day's Supply



Crude Oil

Motor Gasoline

Distillate

Residual

Source: EIA

Total Jet Naphtha Stocks
Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1971	6,910	7,040	6,917	6,606	6,692	6,934	7,202	6,681	6,645	6,795	7,005	6,990	**6,990**
1972	6,658	6,339	6,966	6,471	6,093	5,889	5,844	6,517	6,149	5,933	5,647	6,147	**6,147**
1973	5,953	5,486	5,899	5,209	5,055	4,603	4,280	4,268	4,652	4,242	4,939	5,599	**5,599**
1974	5,828	6,069	6,711	6,837	6,701	6,677	6,436	5,742	5,779	5,606	5,683	5,529	**5,529**
1975	5,548	5,415	6,155	5,777	5,484	5,253	5,578	5,654	5,797	5,864	5,312	5,222	**5,222**
1976	6,143	6,151	5,724	5,765	6,671	5,365	6,079	6,333	5,910	6,991	6,809	6,495	**6,495**
1977	6,748	6,389	6,047	5,464	5,543	5,746	6,176	5,907	5,259	6,384	6,129	6,285	**6,285**
1978	6,430	5,669	5,770	6,214	6,336	6,017	6,391	6,373	6,012	5,346	5,670	5,958	**5,958**
1979	6,217	5,639	5,264	5,570	5,752	5,090	5,067	4,847	4,693	5,195	4,911	5,599	**5,599**
1980	5,585	6,211	5,873	5,911	5,613	5,935	6,676	6,691	6,642	6,442	6,396	6,308	**6,308**
1981	6,122	5,857	5,754	5,544	5,682	6,047	6,034	6,879	6,097	6,593	6,734	7,054	**7,054**
1982	6,814	6,070	6,427	6,305	6,539	6,048	6,366	5,955	6,319	6,355	6,094	5,667	**5,667**
1983	6,956	6,706	6,870	6,412	6,657	6,907	7,060	6,377	6,596	6,027	6,405	6,265	**6,265**
1984	6,344	6,148	6,734	6,719	6,578	6,909	6,858	7,060	7,014	6,467	6,523	6,861	**6,861**
1985	6,415	6,183	6,767	6,205	6,428	6,227	6,977	6,982	6,857	6,738	6,793	6,654	**6,654**
1986	6,534	6,264	5,795	6,712	6,513	6,581	6,099	6,609	6,700	6,764	6,901	7,072	**7,072**
1987	7,631	7,141	7,031	7,183	8,078	7,262	7,253	6,981	6,506	7,097	7,043	7,956	**7,956**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Total Jet Kerosine Stocks
Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1971	20,680	19,992	20,214	20,658	21,822	21,819	21,645	21,015	21,437	20,364	20,934	20,747	**20,747**
1972	19,199	18,891	20,181	21,097	22,792	22,467	23,585	25,132	24,448	22,700	21,003	19,346	**19,346**
1973	18,861	19,951	21,686	22,672	20,770	20,844	21,381	20,583	20,497	21,335	23,600	22,945	**22,945**
1974	23,904	23,548	23,285	24,888	25,623	25,523	25,235	25,247	24,407	24,958	23,733	23,906	**23,906**
1975	24,773	23,718	24,301	24,486	25,235	24,084	24,220	25,449	25,494	24,546	23,165	25,158	**25,158**
1976	24,475	25,029	26,895	27,567	27,993	27,514	26,653	26,788	27,294	27,041	27,050	25,590	**25,590**
1977	23,408	24,017	24,674	26,873	28,083	28,949	28,839	28,059	28,874	28,435	29,257	28,263	**28,263**
1978	28,105	27,628	26,180	28,417	32,036	31,637	31,659	29,374	29,316	27,758	27,159	27,707	**27,707**
1979	25,897	24,836	27,003	30,011	31,946	30,211	28,996	29,289	27,727	29,725	31,250	32,921	**32,921**
1980	32,827	32,047	32,801	33,428	35,733	36,348	34,228	33,640	35,536	36,670	37,508	35,723	**35,723**
1981	33,348	32,703	33,270	34,874	38,787	38,823	38,770	37,854	37,046	36,059	35,261	34,011	**34,011**
1982	30,044	30,878	36,094	37,756	33,203	33,885	33,415	34,707	33,327	34,495	34,516	31,180	**31,180**
1983	33,758	32,651	34,685	33,897	34,485	34,205	33,726	33,620	34,852	37,182	39,212	32,346	**32,346**
1984	29,234	32,929	33,917	34,056	34,488	36,089	36,780	38,526	37,989	38,214	38,401	35,118	**35,118**
1985	34,691	35,302	36,865	35,041	35,924	36,537	36,037	34,681	35,187	35,558	36,408	33,825	**33,825**
1986	35,051	37,829	41,729	38,831	38,807	39,703	42,481	41,884	42,233	43,853	43,237	42,677	**42,677**
1987	42,116	41,154	41,044	39,977	39,277	38,677	39,479	40,762	43,684	42,740	43,937	41,973	**41,973**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Total Kerosine Stocks
Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1971	23,921	19,662	19,231	19,539	21,610	23,602	26,392	28,030	27,806	28,218	26,765	24,438	**24,438**
1972	21,339	17,408	15,693	16,363	17,132	18,640	21,481	22,060	22,917	21,956	21,351	19,111	**19,111**
1973	16,038	14,612	16,404	18,088	19,143	20,160	20,477	21,590	22,105	23,549	21,203	21,022	**21,022**
1974	17,486	15,609	15,001	14,873	16,579	17,315	17,195	17,086	17,079	16,999	16,707	15,269	**15,269**
1975	16,466	15,348	15,170	15,255	16,512	15,351	16,038	17,153	17,775	17,772	18,237	15,571	**15,571**
1976	11,906	11,379	11,744	11,748	12,914	13,051	13,403	14,951	15,178	15,626	14,404	12,514	**12,514**
1977	10,531	11,722	13,620	14,149	15,051	16,771	18,458	19,552	20,505	19,911	20,514	18,056	**18,056**
1978	14,402	11,611	11,883	12,905	13,564	14,893	16,067	16,723	16,110	15,804	15,518	14,330	**14,330**
1979	11,414	9,758	10,371	11,110	12,126	12,941	14,299	14,231	14,638	15,110	15,939	15,824	**15,824**
1980	14,042	13,277	13,071	13,427	13,760	13,869	14,288	13,330	12,944	12,457	12,672	11,570	**11,570**
1981	10,494	10,574	11,153	11,978	12,831	13,437	13,312	13,794	13,935	12,671	12,342	11,042	**11,042**
1982	9,530	9,080	8,755	9,588	8,943	9,263	9,082	9,491	9,838	10,219	11,344	10,420	**10,420**
1983	9,425	8,981	9,101	8,322	8,201	8,279	8,568	8,613	9,345	10,392	10,221	7,861	**7,861**
1984	7,555	9,252	7,822	6,683	7,311	7,887	8,028	8,488	8,943	11,241	10,814	11,893	**11,893**
1985	7,905	7,124	8,095	7,926	7,326	6,794	7,596	7,951	8,701	9,648	10,489	7,502	**7,502**
1986	7,272	6,735	6,179	6,837	6,258	6,652	6,881	6,859	8,344	8,277	8,502	8,379	**8,379**
1987	8,515	7,578	6,523	6,851	6,617	6,089	6,512	7,055	7,989	8,719	9,270	8,447	**8,447**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Total Distillate Fuel Oil Stocks
Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1971	158,740	128,706	112,872	113,693	125,815	145,790	172,373	196,973	210,316	222,969	214,780	190,622	**190,622**
1972	160,073	122,194	101,765	98,324	112,926	128,779	155,593	174,702	190,289	195,570	182,619	154,319	**154,319**
1973	130,993	113,310	111,299	114,723	119,131	137,869	160,901	177,304	190,209	203,000	200,218	196,461	**196,461**
1974	181,217	149,162	128,852	125,587	141,843	160,680	182,495	198,710	208,308	209,945	212,913	200,068	**200,068**
1975	199,752	176,734	161,149	146,257	152,070	163,348	181,514	197,364	220,776	226,160	235,798	208,833	**208,833**
1976	165,477	150,472	138,340	137,285	147,097	165,110	190,900	217,969	232,268	235,638	223,685	185,986	**185,986**
1977	143,011	133,280	141,911	148,254	162,155	178,872	204,915	229,811	252,827	267,433	270,611	250,295	**250,295**
1978	213,278	165,731	137,864	136,182	144,648	157,269	180,453	200,194	200,707	233,100	233,248	216,463	**216,463**
1979	175,837	127,292	112,759	115,140	123,055	141,383	171,223	195,379	220,390	231,073	236,661	228,729	**228,729**
1980	212,412	191,657	177,866	177,241	183,405	196,566	213,835	226,331	232,373	225,707	222,365	205,132	**205,132**
1981	179,439	172,562	164,372	164,647	171,837	179,945	186,264	200,224	207,287	201,189	200,115	191,541	**191,541**
1982	164,380	147,446	126,305	107,958	113,644	123,688	148,150	158,658	161,199	170,148	185,580	178,592	**178,592**
1983	167,555	148,221	118,122	103,132	108,904	113,723	130,655	142,406	153,996	162,551	161,211	140,263	**140,263**
1984	119,317	132,242	109,572	97,690	98,144	112,849	124,421	133,317	142,943	152,236	160,970	161,072	**161,072**
1985	142,384	121,439	99,293	96,845	104,432	109,688	115,683	113,755	117,367	123,417	139,719	143,673	**143,673**
1986	136,490	112,402	98,811	95,907	98,857	107,895	118,905	137,737	152,403	151,617	158,263	155,097	**155,097**
1987	141,342	123,730	109,332	100,338	101,286	104,391	114,602	124,735	126,762	120,974	128,004	134,485	**134,485**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Total Residual Fuel Oil Stocks
Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1971	53,878	48,900	49,425	50,623	55,371	58,735	63,716	65,904	66,519	68,547	59,934	59,681	**59,681**
1972	59,440	50,891	51,566	49,425	53,035	56,109	60,230	61,399	63,692	63,758	57,702	55,216	**55,216**
1973	49,154	43,058	44,711	47,044	49,207	51,811	53,363	53,586	55,091	54,964	51,985	53,480	**53,480**
1974	46,548	45,004	47,222	51,339	54,356	57,891	59,787	60,988	60,251	58,679	60,363	59,694	**59,694**
1975	69,233	66,495	64,148	66,340	73,498	69,660	71,526	71,857	76,938	81,858	83,131	74,126	**74,126**
1976	66,592	68,859	65,132	66,458	65,147	64,272	69,812	68,490	76,436	79,117	73,284	72,344	**72,344**
1977	64,760	71,429	71,192	70,186	73,420	72,036	77,840	78,798	87,522	95,896	95,155	89,993	**89,993**
1978	81,657	65,091	62,388	66,209	72,233	71,860	75,320	74,166	81,314	83,435	88,729	90,194	**90,194**
1979	81,853	67,899	71,652	79,959	84,261	79,816	85,907	87,622	87,789	91,611	90,799	95,598	**95,598**
1980	97,187	90,993	88,302	85,252	87,671	87,792	85,603	86,944	87,868	90,975	93,208	91,786	**91,786**
1981	82,145	77,933	74,841	72,862	78,134	69,404	69,348	74,902	80,191	79,931	81,391	77,992	**77,992**
1982	68,662	58,497	58,128	53,624	58,950	60,674	58,943	52,647	61,818	63,575	66,397	66,200	**66,200**
1983	60,538	53,332	46,293	46,578	50,957	49,869	51,860	48,284	49,681	51,241	54,156	48,504	**48,504**
1984	45,090	57,140	47,890	47,427	46,442	46,880	49,233	44,617	46,836	50,787	47,029	53,000	**53,000**
1985	46,201	45,053	46,127	46,195	41,397	39,622	40,507	34,681	35,187	35,558	50,263	50,381	**50,381**
1986	48,655	43,048	39,709	35,910	39,431	42,767	40,433	41,346	44,006	45,822	46,275	47,437	**47,437**
1987	44,931	38,140	39,303	35,890	40,371	41,356	44,694	45,690	44,417	45,619	49,975	47,410	**47,410**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Total Liquified Petroleum Gases & Ethane Stocks
Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1971	54,725	47,965	51,010	60,286	72,896	83,874	95,131	103,975	108,146	109,383	103,592	94,713	**94,713**
1972	82,426	71,883	72,687	79,951	92,728	101,210	109,840	114,891	119,351	115,493	103,167	85,717	**85,717**
1973	69,222	59,882	63,757	70,441	80,038	90,048	101,030	106,850	111,260	111,255	104,215	98,641	**98,641**
1974	90,079	88,500	92,905	99,447	109,353	116,628	124,405	130,711	131,257	128,932	122,391	112,542	**112,542**
1975	102,771	98,478	97,128	101,394	111,669	124,113	131,244	138,469	141,623	140,572	138,083	125,148	**125,148**
1976	109,021	105,524	108,521	113,983	122,308	130,361	138,413	143,615	147,192	143,899	134,239	116,295	**116,295**
1977	98,887	86,519	91,206	98,604	109,921	119,267	130,937	140,550	147,193	148,114	144,286	136,342	**136,342**
1978	121,726	111,549	112,610	121,539	129,422	138,467	147,276	155,075	156,786	152,362	144,231	132,009	**132,009**
1979	116,505	100,409	95,156	98,120	104,800	112,308	120,468	126,760	130,242	126,232	119,612	110,699	**110,699**
1980	96,418	90,345	90,130	100,291	107,247	116,806	125,587	134,748	137,139	134,477	132,027	120,455	**120,455**
1981	116,805	111,959	112,085	119,161	127,172	133,409	141,416	148,915	151,174	148,957	146,392	134,651	**134,651**
1982	120,913	114,112	107,570	104,632	106,836	109,412	109,829	111,235	110,137	107,139	101,900	93,975	**93,975**
1983	85,734	82,145	82,413	87,082	94,065	104,077	110,922	117,079	117,976	120,497	118,395	100,570	**100,570**
1984	92,601	89,065	88,684	92,855	100,282	106,326	110,628	113,721	115,214	110,934	108,265	100,849	**100,849**
1985	88,495	79,247	78,346	82,631	89,415	94,663	97,966	100,989	99,155	89,742	83,977	73,530	**73,530**
1986	71,043	68,006	71,052	77,062	87,493	102,200	116,162	126,464	130,719	123,015	115,400	102,658	**102,658**
1987	87,169	81,438	81,737	85,376	94,164	99,410	103,916	111,920	114,347	112,505	108,626	97,094	**97,094**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Petroleum* Stocks for OECD Countries at Yearend
Million Barrels

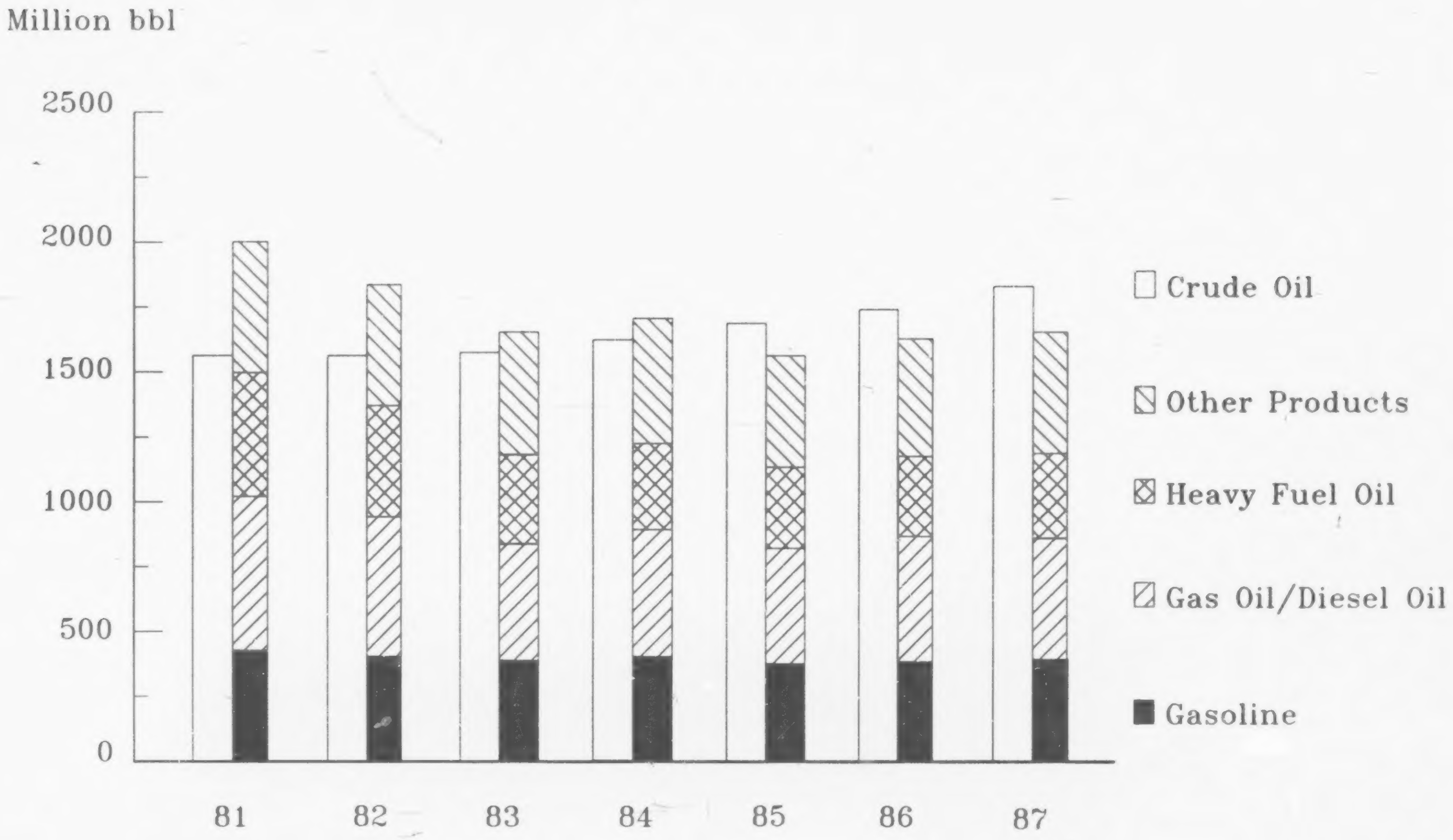
	Canada	France	Italy	Japan	United Kingdom	United States	West Germany	Other OECD	Total OECD
1973	140.0	201.0	152.0	303.0	156.0	1,008.0	181.0	447.0	**2,588.0**
1974	145.0	249.0	167.0	370.0	161.0	1,074.0	213.0	501.0	**2,880.0**
1975	174.0	225.0	143.0	375.0	165.0	1,133.0	187.0	501.0	**2,903.0**
1976	153.0	234.0	143.0	380.0	165.0	1,112.0	208.0	523.0	**2,918.0**
1977	167.0	239.0	161.0	409.0	148.0	1,312.0	225.0	563.0	**3,224.0**
1978	144.0	201.0	154.0	413.0	157.0	1,278.0	238.0	537.0	**3,122.0**
1979	150.0	226.0	163.0	460.0	169.0	1,341.0	272.0	598.0	**3,379.0**
1980	164.0	243.0	170.0	495.0	168.0	1,392.0	319.0	636.0	**3,587.0**
1981	164.0	225.6	181.5	488.3	148.5	1,453.9	308.0	594.6	**3,564.4**
1982	138.6	203.7	192.8	474.2	128.6	1,415.6	283.4	564.9	**3,401.8**
1983	121.9	161.2	160.2	451.1	119.4	1,407.8	260.0	551.5	**3,233.1**
1984	128.0	160.6	171.4	483.8	115.6	1,502.8	249.3	522.0	**3,333.3**
1985	112.1	144.3	169.1	497.0	127.1	1,467.0	241.9	494.9	**3,253.3**
1986	108.9	132.7	166.1	512.5	128.5	1,528.7	262.4	536.3	**3,376.1**
1987	123.7	131.7	183.7	542.4	125.7	1,542.2	274.5	549.4	**3,473.2**

* Includes crude oil, natural gas liquids and refined products stocks.

Note: Data are converted from IEA figures in thousands of tonnes. U.S. data differ from those reported elsewhere in this publication due to data conversion, difference in source and timing of data reporting.

Data from Oil & Gas Journal Energy Database.
Source: Organization for Economic Cooperation and Development

Total OECD Crude & Products Stocks



Source: IEA

Crude Oil & Refined Products Stocks
Total OECD
Thousands of barrels

	Crude Oil & NGL	Total Refined Products	Total Gasoline	Gas Oil/ Diesel Oil	Heavy (Residual) Fuel Oil	Other Refined Products
1981						
1st Qtr.	1,487,030	2,034,401	484,033	578,814	469,563	501,991
2nd Qtr.	1,600,494	2,023,129	430,942	590,250	482,457	519,480
3rd Qtr.	1,573,432	2,104,800	406,844	648,662	510,669	538,625
4th Qtr.	1,561,363	2,003,037	428,876	590,631	478,301	505,229
1982						
1st Qtr.	1,580,063	1,785,057	430,704	460,588	428,165	465,600
2nd Qtr.	1,602,011	1,767,771	389,589	473,397	428,564	476,221
3rd Qtr.	1,578,006	1,869,300	391,731	536,643	453,892	487,034
4th Qtr.	1,565,174	1,836,609	403,487	538,754	430,010	464,358
1983						
1st Qtr.	1,532,925	1,670,415	401,404	436,059	365,974	466,978
2nd Qtr.	1,519,294	1,684,887	387,685	432,896	373,027	491,279
3rd Qtr.	1,529,913	1,785,981	389,487	501,670	376,217	518,607
4th Qtr.	1,576,674	1,656,377	389,317	448,264	344,708	474,088
1984						
1st Qtr.	1,576,178	1,593,962	427,372	402,773	314,978	448,839
2nd Qtr.	1,659,694	1,635,264	406,649	423,176	328,544	476,895
3rd Qtr.	1,644,354	1,693,964	389,785	471,457	339,467	493,255
4th Qtr.	1,625,336	1,708,002	404,328	489,055	332,041	482,578
1985						
1st Qtr.	1,648,010	1,498,970	388,153	383,653	301,678	425,486
2nd Qtr.	1,690,064	1,503,174	367,209	395,149	300,739	440,077
3rd Qtr.	1,632,507	1,552,315	368,858	412,963	310,116	460,378
4th Qtr.	1,689,287	1,563,989	376,389	445,116	313,533	428,951
1986						
1st Qtr.	1,692,528	1,447,851	382,424	360,005	281,139	424,283
2nd Qtr.	1,728,573	1,509,478	375,751	387,383	299,613	446,731
3rd Qtr.	1,771,715	1,682,346	385,365	478,559	322,004	496,418
4th Qtr.	1,743,440	1,632,691	385,169	483,080	308,984	455,458
1987						
1st Qtr.	1,765,551	1,498,495	415,140	394,865	270,696	417,794
2nd Qtr.	1,774,409	1,505,892	389,751	399,766	281,585	434,790
3rd Qtr.	1,799,236	1,646,994	389,572	462,311	318,541	476,570
4th Qtr.	1,824,840	1,648,401	393,916	460,707	327,266	466,512

Data from Oil & Gas Journal Energy Database.
Source: International Energy Agency

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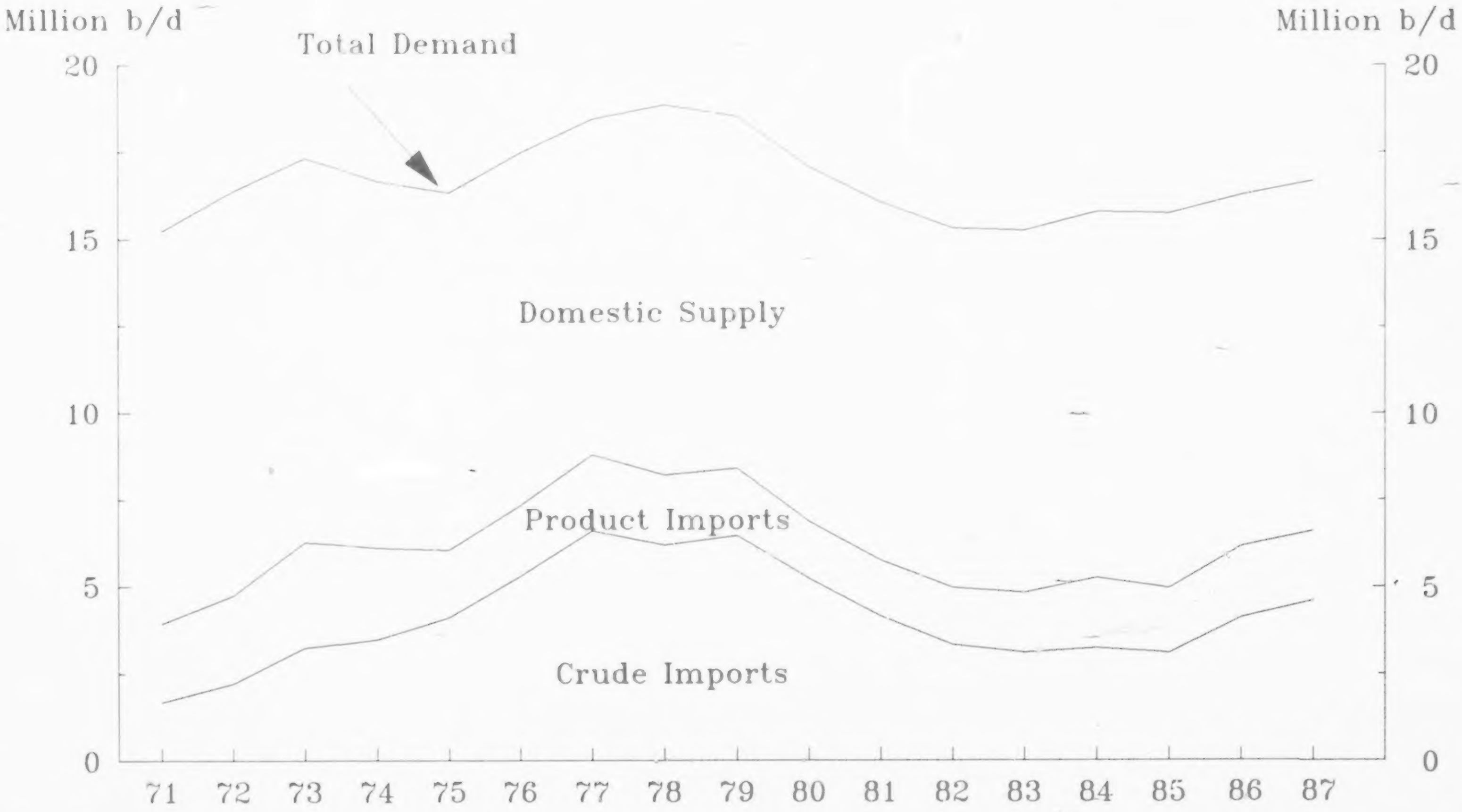
U.S. Imports and Demand



Source: EIA

U.S. Crude Oil Imports
(Excluding SPR Imports)
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	2,732.0	2,872.6	3,162.0	3,048.6	3,214.6	3,220.4	3,501.0	3,592.5	3,470.6	3,738.9	3,452.3	2,891.4	**3,241.4**
1974	2,381.9	2,247.9	2,462.2	3,267.0	3,907.7	3,924.9	4,091.5	3,923.7	3,796.9	3,809.5	3,958.0	3,869.0	**3,470.0**
1975	4,029.1	3,828.4	3,656.3	3,377.9	3,486.2	3,904.7	4,192.5	4,581.2	4,689.2	4,389.3	4,623.4	4,476.2	**4,102.9**
1976	4,594.4	4,207.9	4,738.0	4,789.6	4,669.3	5,627.8	5,791.6	5,555.5	5,874.6	5,688.9	5,945.6	5,925.4	**5,284.0**
1977	6,261.1	6,636.6	6,678.9	6,784.7	6,797.6	7,044.4	7,047.6	6,374.7	6,408.4	6,481.6	6,300.1	6,306.4	**6,593.5**
1978	6,081.9	5,589.1	6,005.3	5,463.6	5,569.0	6,305.0	6,171.0	6,276.5	6,890.0	6,437.1	6,667.7	6,838.0	**6,191.2**
1979	6,720.9	6,343.8	6,252.1	6,145.4	6,163.1	6,582.4	6,561.3	6,773.5	6,425.5	6,889.8	6,227.9	6,318.1	**6,450.3**
1980	6,405.8	6,013.4	5,695.4	5,597.7	5,106.4	5,480.0	4,843.2	4,802.8	4,653.3	4,637.4	4,538.1	4,884.3	**5,221.5**
1981	4,826.5	4,793.3	4,381.7	4,065.9	3,901.1	3,742.6	4,120.5	3,922.2	4,305.1	3,927.0	3,774.5	3,971.2	**4,144.3**
1982	3,522.8	2,830.2	2,689.2	2,659.1	3,105.1	3,731.9	4,150.4	3,643.0	3,496.8	3,453.6	3,682.6	2,876.6	**3,320.1**
1983	2,745.7	2,070.0	2,089.2	2,913.3	3,071.1	3,387.1	3,597.0	3,876.1	3,901.4	3,243.8	3,166.3	3,020.2	**3,090.1**
1984	2,855.0	2,865.7	3,322.0	3,247.6	3,696.5	3,237.5	3,317.5	3,06[illegible].1	3,289.0	3,564.6	3,364.2	2,907.3	**3,227.9**
1985	2,494.0	2,009.9	2,737.9	3,293.2	3,507.7	3,033.6	2,977.1	2,99[illegible].8	3,084.1	3,217.8	3,945.8	3,621.3	**3,078.8**
1986	3,420.4	2,944.1	2,929.2	3,621.0	4,214.6	4,571.3	4,673.9	4,808.5	4,983.9	4,382.3	4,569.7	4,364.8	**4,123.6**
1987	4,292.9	3,822.1	3,684.5	4,075.5	4,248.1	4,742.8	5,218.2	5,446.5	5,046.5	5,084.8	4,916.5	4,571.5	**4,595.8**

U.S. Crude Oil Imports
(Excluding SPR Imports)
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	84,693	80,433	98,021	91,459	99,654	96,61[illegible]	108,530	111,368	104,117	115,905	103,570	89,633	**1,183,996**
1974	73,839	62,940	76,329	98,011	121,139	117,74[illegible]	126,835	121,634	113,907	118,096	118,739	119,939	**1,269,155**
1975	124,901	107,194	113,345	101,338	108,072	117,142	129,966	142,016	140,675	136,068	138,703	138,761	**1,498,181**
1976	142,427	122,030	146,879	143,687	144,748	168,833	179,540	172,221	176,237	176,357	178,367	183,686	**1,935,012**
1977	194,094	185,826	207,046	203,540	210,726	211,331	218,476	197,617	192,252	200,931	189,004	195,498	**2,406,341**
1978	188,538	156,496	186,164	163,909	172,638	189,151	191,302	194,572	206,700	199,549	200,030	211,977	**2,261,026**
1979	208,347	177,627	193,815	184,363	191,057	197,472	203,400	209,979	192,766	213,583	186,837	195,861	**2,355,107**
1980	198,581	174,389	176,558	167,930	158,299	164,401	150,138	148,886	139,600	143,759	136,142	151,412	**1,910,095**
1981	149,620	134,211	135,832	121,976	120,933	112,279	127,736	121,588	129,153	121,737	113,234	123,107	**1,511,406**
1982	109,208	79,245	83,366	79,773	96,257	111,956	128,663	112,934	104,903	107,063	110,478	89,174	**1,213,020**
1983	85,116	57,961	64,765	87,398	95,203	101,614	111,508	120,159	117,043	100,559	94,988	93,625	**1,129,939**
1984	88,504	83,106	102,982	97,428	114,590	97,124	102,841	95,112	98,669	110,504	100,925	90,126	**1,181,911**
1985	77,313	56,277	84,875	98,797	108,740	91,009	92,290	92,962	92,524	99,752	118,375	112,260	**1,125,174**
1986	106,031	82,434	90,806	108,631	130,653	137,140	144,891	149,064	149 516	135,850	137,090	135,309	**1,507,415**
1987	133,081	107,019	114,219	122,266	131,692	142,285	161,764	168,843	151,395	157,629	147,494	141,718	**1,679,405**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

U.S. Crude Oil Imports
for the Strategic Petroleum Reserve
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1977										93.0	73.0	79.0	**20.4**
1978	114.0	109.0	132.0	108.0	133.0	146.0	154.0	184.0	225.0	195.0	188.0	245.0	**161.1**
1979	204.3	178.6	122.1	65.9	97.5	64.9	41.1	35.3	0.0	0.0	0.0	0.0	**67.5**
1980	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	53.9	130.6	142.1	197.9	**43.7**
1981	106.0	80.0	139.6	272.4	385.6	318.0	175.0	257.1	435.3	453.4	271.5	165.5	**254.9**
1982	170.0	159.4	185.1	189.8	203.9	104.6	97.2	208.4	139.2	216.2	179.6	123.6	**164.7**
1983	218.5	197.1	200.7	205.1	288.7	189.9	273.9	350.4	308.9	202.0	170.5	192.7	**233.2**
1984	199.9	84.6	147.6	169.9	245.8	308.9	328.9	180.0	53.3	186.5	219.1	229.0	**196.1**
1985	222.7	97.8	48.0	108.2	222.5	154.5	225.7	115.6	70.8	20.2	52.8	74.2	**117.8**
1986	51.5	23.8	59.2	63.0	35.6	63.8	52.2	50.7	46.9	36.5	45.1	47.6	**48.0**
1987	92.3	44.3	94.9	56.6	92.2	63.7	76.4	63.2	63.9	56.8	96.5	68.0	**72.4**

U.S. Crude Oil Imports
for the Strategic Petroleum Reserve
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1977										2,883	2,190	2,449	**7,522**
1978	3,534	3,052	4,092	3,240	4,123	4,380	4,774	5,704	6,750	6,045	5,640	7,595	**58,929**
1979	6,334	5,002	3,786	1,976	3,022	1,946	1,275	1,093	0	0	0	0	**24,434**
1980	0	0	0	0	0	0	0	0	1,618	4,050	4,263	6,136	**16,067**
1981	3,286	2,239	4,328	8,171	11,953	9,539	5,425	7,969	13,060	14,054	8,144	5,130	**93,298**
1982	5,271	4,463	5,738	5,694	6,320	3,137	3,014	6,459	4,176	6,702	5,387	3,831	**60,192**
1983	6,775	5,518	6,222	6,153	8,950	5,696	8,490	10,863	9,266	6,262	5,115	5,975	**85,285**
1984	6,197	2,452	4,575	5,096	7,620	9,267	10,197	5,581	1,599	5,782	6,573	7,099	**72,038**
1985	6,905	2,737	1,489	3,247	6,897	4,636	6,996	3,585	2,123	626	1,583	2,301	**43,125**
1986	1,596	666	1,835	1,889	1,104	1,913	1,618	1,573	1,407	1,133	1,354	1,475	**17,563**
1987	2,862	1,241	2,941	1,698	2,857	1,912	2 367	1,959	1,917	1,761	2,895	2,107	**26,517**

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Total U.S. Crude and Product Imports
(Excluding SPR* Imports)
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	5,857.1	6,507.3	6,610.2	5,593.4	5,840.9	5,890.3	6,178.9	6,591.1	6,411.5	6,632.6	6,922.3	6,055.8	6,[illegible]7.6
1974	5,370.7	5,216.0	5,273.8	5,979.6	6,493.4	6,360.0	6,536.5	6,361.2	6,051.8	6,175.2	6,798.4	6,666.8	6,1[illegible]6.9
1975	6,860.6	6,176.1	5,730.0	5,040.3	5,214.0	5,339.6	5,959.0	6,291.8	6,804.3	6,329.2	6,419.0	6,425.3	6,049.1
1976	6,713.6	6,711.8	6,686.7	6,595.3	6,323.1	7,474.4	7,883.6	7,382.2	7,924.1	7,535.9	8,060.3	8,447.3	7,311.5
1977	8,882.7	9,974.9	9,362.5	8,686.7	8,550.8	8,916.2	9,075.0	8,554.2	8,545.8	8,343.9	8,113.8	8,504.7	8,782.6
1978	8,174.3	7,944.1	8,342.9	7,579.4	7,372.9	7,944.7	8,[illegible].2	8,134.1	8,872.7	8,155.4	8,688.8	9,083.3	8,201.0
1979	8,943.7	8,412.6	8,638.3	7,827.5	7,993.4	8,262.1	8,5[illegible]7.4	8,554.7	8,023.0	8,688.2	8,183.2	8,628.5	8,389.4
1980	8,598.0	7,944.7	7,452.4	7,105.9	6,578.7	6,894.4	6,257.2	6,191.9	6,185.2	6,248.2	6,265.8	6,696.2	6,868.2
1981	6,721.5	6,692.3	5,888.6	5,395.6	5,389.7	5,117.4	5,641.3	5,510.1	5,929.3	5,506.0	5,469.8	5,677.5	5,744.9
1982	5,162.2	4,647.3	4,299.1	4,188.2	4,607.6	5,222.5	5,792.5	5,035.4	5,275.1	5,089.7	5,564.8	4,482.0	4,947.2
1983	4,219.2	3,529.0	3,488.9	4,521.9	4,800.4	5,136.3	5,467.0	5,808.9	5,820.6	5,056.3	5,039.4	4,840.1	4,810.7
1984	5,230.1	5,608.2	5,153.6	5,202.4	5,732.8	5,173.3	5,078.3	4,864.2	5,198.3	5,592.3	5,367.7	4,703.6	5,242.1
1985	4,192.3	3,815.4	4,624.9	5,207.8	5,553.8	4,774.7	4,723.9	4,602.0	4,899.7	5,100.9	6,063.4	5,756.4	4,942.9
1986	5,521.2	4,652.7	4,652.9	5,376.5	6,364.3	6,784.1	6,889.5	7,117.3	7,042.8	6,390.6	6,546.6	6,652.8	6,165.9
1987	6,260.8	5,940.1	5,699.1	5,854.6	5,980.5	6,705.0	7,511.4	7,390.5	7,114.1	7,010.7	6,971.2	6,765.5	6,600.3

Total U.S Crude and Product Imports
(Excluding SPR* Imports)
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	181,570	182,204	204,915	167,801	181,069	176,708	191,547	204,325	192,344	205,611	207,670	187,729	2,283,493
1974	166,492	146,049	163,488	179,389	201,294	190,799	202,632	197,197	181,554	191,430	203,952	206,671	2,230,947
1975	212,680	172,931	177,630	151,209	161,635	160,189	184,728	195,046	204,128	196,204	192,570	199,185	2,208,135
1976	208,122	194,642	207,287	197,860	196,015	224,233	244,393	228,848	237,723	233,613	241,808	261,867	2,676,411
1977	275,365	279,297	290,236	260,601	265,076	267,486	281,324	265,180	256,375	258,660	243,414	263,646	3,206,660
1978	253,404	222,436	258,630	227,381	228,560	238,340	251,694	252,157	266,182	252,816	260,663	281,582	2,993,845
1979	277,255	235,553	267,788	234,826	247,794	247,864	264,039	265,195	240,690	269,335	245,497	267,482	3,063,318
1980	266,539	230,396	231,024	213,177	203,940	206,831	193,973	191,949	185,555	193,695	187,974	207,583	2,512,638
1981	208,365	187,383	182,546	161,868	167,081	153,522	174,881	170,814	177,879	170,686	164,094	176,003	2,095,122
1982	160,028	130,125	133,271	125,646	142,835	156,676	179,566	156,098	158,252	157,781	166,944	138,942	1,806,164
1983	130,794	98,811	108,153	135,658	148,811	154,090	169,476	180,077	174,617	156,745	151,182	150,043	1,758,457
1984	162,134	162,638	159,763	156,072	177,718	155,199	157,427	150,791	155,948	173,362	161,032	145,811	1,917,895
1985	129,962	106,830	143,372	156,235	172,168	143,242	146,441	142,663	146,991	158,129	181,901	178,449	1,806,383
1986	171,158	130,275	144,239	161,294	197,293	203,523	213,573	220,637	211,283	198,108	196,399	206,237	2,254,019
1987	194,086	166,324	176,671	175,637	185,394	201,149	232,852	229,107	213,422	217,332	209 136	209,731	2,410,841

* Strategic Petroleum Reserve

Data from Oil & Gas Journal Energy Database.

Total U.S. Refined Product Imports
(Including Unfinished Oils)
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	3,125.1	3,634.7	3,448.2	2,544.7	2,626.3	2,669.8	2,678.0	2,998.6	2,940.9	2,893.7	3,470.0	3,164.4	**3,016.2**
1974	2,988.8	2,968.2	2,811.6	2,712.6	2,585.6	2,435.1	2,445.1	2,437.5	2,254.9	2,365.6	2,840.4	2,797.8	**2,636.9**
1975	2,831.6	2,347.8	2,073.7	1,662.4	1,727.8	1,434.9	1,766.5	1,710.6	2,115.1	1,939.9	1,795.6	1,949.2	**1,946.3**
1976	2,119.2	2,503.9	1,948.6	1,805.8	1,653.8	1,846.7	2,092.0	1,826.7	2,049.5	1,847.0	2,114.7	2,522.0	**2,027.5**
1977	2,621.6	3,338.3	2,683.5	1,902.0	1,753.2	1,871.8	2,027.4	2,179.5	2,137.4	1,862.2	1,813.7	2,198.3	**2,199.1**
1978	2,092.5	2,355.0	2,337.6	2,115.7	1,803.9	1,639.6	1,948.1	1,857.6	1,982.7	1,718.3	2,021.1	2,245.3	**2,009.8**
1979	2,222.8	2,068.8	2,386.2	1,682.1	1,830.2	1,679.7	1,956.1	1,781.2	1,597.5	1,798.5	1,955.3	2,310.4	**1,939.1**
1980	2,192.2	1,931.3	1,757.0	1,508.2	1,472.3	1,414.3	1,414.0	1,389.1	1,531.8	1,610.8	1,727.7	1,812.0	**1,646.7**
1981	1,895.0	1,899.0	1,506.9	1,329.7	1,488.6	1,374.8	1,520.8	1,587.9	1,624.2	1,579.0	1,695.3	1,706.3	**1,600.6**
1982	1,639.4	1,817.1	1,609.8	1,529.1	1,502.5	1,490.7	1,642.0	1,392.4	1,778.3	1,636.1	1,882.2	1,605.4	**1,627.1**
1983	1,473.5	1,458.9	1,399.6	1,608.7	1,729.3	1,749.2	1,869.9	1,932.8	1,919.1	1,812.5	1,873.1	1,819.9	**1,720.6**
1984	2,375.2	2,742.5	1,831.6	1,954.8	2,036.4	1,935.8	1,760.8	1,796.1	1,909.3	2,027.7	2,003.6	1,796.3	**2,014.2**
1985	1,698.4	1,805.5	1,887.0	1,914.6	2,046.1	1,741.1	1,746.8	1,603.3	1,815.6	1,883.1	2,117.5	2,135.1	**1,866.2**
1986	2,100.9	1,708.6	1,723.6	1,755.4	2,149.7	2,212.8	2,215.5	2,308.8	2,058.9	2,008.3	1,977.0	2,288.0	**2,042.3**
1987	1,967.9	2,118.0	2,014.6	1,779.0	1,732.4	1,962.2	2,293.2	1,944.0	2,067.5	1,925.9	2,054.8	2,194.0	**2,004.4**

Total U.S. Refined Product Imports
(Including Unfinished Oils)
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	96,877	101,771	106,894	76,342	81,415	80,095	83,017	92,957	88,227	89,706	104,100	98,096	**1,099,497**
1974	92,653	83,109	87,159	81,378	80,155	73,052	75,797	75,563	67,647	73,334	85,213	86,732	**961,792**
1975	87,779	65,737	64,285	49,871	53,563	43,047	54,762	53,030	63,453	60,136	53,867	60,424	**709,954**
1976	65,695	72,612	60,408	54,173	51,267	55,400	64,853	56,627	61,486	57,256	63,441	78,181	**741,399**
1977	81,271	93,471	83,190	57,061	54,350	56,155	62,848	67,563	64,123	57,729	54,410	68,148	**800,319**
1978	64,866	65,940	72,466	63,472	55,922	49,189	60,392	57,585	59,482	53,267	60,633	69,605	**732,819**
1979	68,908	57,926	73,973	50,463	56,737	50,392	60,639	55,216	47,924	55,752	58,660	71,621	**708,211**
1980	67,958	56,007	54,466	45,247	45,641	42,430	43,835	43,063	45,955	49,936	51,832	56,171	**602,541**
1981	58,745	53,172	46,714	39,892	46,148	41,243	47,145	49,226	48,726	48,949	50,860	52,896	**583,716**
1982	50,820	50,880	49,905	45,873	46,578	44,720	50,903	43,164	53,349	50,718	56,466	49,768	**593,144**
1983	45,678	40,850	43,388	48,260	53,608	52,476	57,968	59,918	57,574	56,186	56,194	56,418	**628,518**
1984	73,630	79,532	56,781	58,644	63,128	58,075	54,586	55,679	57,279	62,858	60,107	55,685	**735,984**
1985	52,649	50,553	58,497	57,438	63,428	52,233	54,151	49,701	54,467	58,377	63,526	66,189	**681,209**
1986	65,127	47,841	53,432	52,663	66,640	66,383	68,682	71,573	61,767	62,258	59,309	70,928	**746,603**
1987	61,004	59,304	62,452	53,371	53,703	58,865	71,088	60,264	62,026	59,703	61,643	68,014	**731,437**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Total Motor Gasoline Imports
Total U.S.
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	59.4	95.3	70.7	63.4	101.5	173.8	132.6	164.2	127.2	194.2	216.4	202.2	133.4
1974	162.8	184.4	224.5	259.7	250.1	210.8	211.7	253.2	201.9	171.1	174.1	141.0	203.8
1975	261.8	170.9	149.8	133.0	141.9	176.8	208.9	231.7	269.2	207.0	139.3	118.7	184.1
1976	91.9	83.7	122.8	99.3	111.6	187.7	189.8	141.4	170.6	137.5	146.0	83.5	130.5
1977	231.0	188.2	257.3	268.5	201.9	245.9	248.0	189.6	221.6	179.2	178.9	197.4	217.3
1978	214.3	200.8	141.0	177.4	168.7	234.0	211.5	179.0	250.9	181.2	147.2	182.2	190.7
1979	178.9	159.7	167.8	155.7	144.9	260.5	222.7	147.5	134.9	150.2	182.2	263.3	180.7
1980	141.4	153.7	154.6	154.5	132.0	147.5	149.1	140.8	105.9	151.6	126.4	121.4	139.9
1981	137.5	111.3	170.6	186.3	149.8	185.9	150.8	123.6	169.1	147.0	148.3	197.3	156.5
1982	128.1	133.2	183.2	185.0	182.4	230.2	225.4	291.4	223.3	185.1	211.3	178.2	198.4
1983	153.2	128.0	185.5	254.9	304.5	276.6	302.4	249.9	279.1	329.6	268.8	223.8	246.4
1984	231.0	298.6	355.2	318.9	345.7	296.3	246.8	241.9	348.9	308.1	285.6	307.9	298.7
1985	203.6	347.6	480.9	494.3	480.2	396.3	426.1	304.5	314.2	323.8	410.3	386.2	380.7
1986	332.4	334.4	224.5	291.3	470.9	391.8	337.5	302.8	302.8	322.1	279.7	319.6	325.8
1987	392.7	308.9	364.1	373.8	353.9	384.6	452.0	395.8	421.2	356.0	483.9	319.5	383.9

Total Motor Gasoline Imports
Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	1,841	2,667	2,193	1,902	3,146	5,214	4,110	5,091	3,816	6,020	6,492	6,267	48,759
1974	5,047	5,163	6,960	7,790	7,754	6,324	6,562	7,849	6,056	5,303	5,224	4,370	74,402
1975	8,115	4,784	4,645	3,989	4,398	5,304	6,475	7,184	8,077	6,417	4,180	3,681	67,249
1976	2,850	2,427	3,806	2,980	3,461	5,631	5,883	4,384	5,119	4,264	4,379	2,590	47,774
1977	7,160	5,270	7,977	8,056	6,258	7,378	7,688	5,879	6,649	5,555	5,368	6,118	79,356
1978	6,642	5,623	4,370	5,323	5,229	7,019	6,558	5,549	7,526	5,616	4,416	5,647	69,518
1979	5,545	4,472	5,202	4,671	4,493	7,815	6,903	4,573	4,046	4,657	5,467	8,162	66,006
1980	4,383	4,457	4,792	4,636	4,093	4,425	4,621	4,365	3,176	4,700	3,793	3,763	51,204
1981	4,263	3,116	5,289	5,589	4,643	5,577	4,676	3,832	5,074	4,557	4,448	6,117	57,181
1982	3,970	3,729	5,680	5,551	5,653	6,905	6,987	9,032	6,700	5,739	6,340	5,523	71,809
1983	4,748	3,584	5,752	7,646	9,440	8,298	9,375	7,747	8,374	10,218	8,063	6,939	90,184
1984	7,162	8,659	11,011	9,566	10,717	8,889	7,652	7,500	10,468	9,550	8,568	9,544	109,286
1985	6,312	9,733	14,908	14,828	14,886	11,888	13,208	9,441	9,427	10,039	12,310	11,973	138,953
1986	10,305	9,362	6,958	8,738	14,597	11,754	10,461	9,386	9,084	9,985	8,392	9,908	118,930
1987	12,173	8,648	11,287	11,213	10,970	11,539	14,011	12,269	12,636	11,037	14,516	9,905	140,204

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Total Jet Naphtha Imports
Total U.S.
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	25.1	15.7	12.7	28.2	22.0	30.9	31.6	59.9	40.6	71.5	56.5	41.3	**36.3**
1974	4.7	0.9	9.4	17.6	45.7	27.2	38.9	50.1	48.3	25.9	32.9	25.3	**27.2**
1975	23.5	35.1	30.5	13.8	23.0	21.7	15.8	27.8	47.3	26.4	33.3	42.4	**28.4**
1976	10.4	22.1	5.3	11.9	29.2	14.8	17.1	8.7	11.2	15.1	16.2	18.9	**15.1**
1977	6.6	8.8	23.9	35.2	20.2	14.5	33.0	13.6	7.3	30.9	27.1	34.5	**21.3**
1978	8.8	17.5	16.4	42.1	28.7	3.9	34.1	22.9	6.3	10.3	29.7	8.3	**19.1**
1979	24.4	18.0	6.2	12.1	16.8	28.6	23.4	15.8	14.8	32.8	38.3	37.3	**22.4**
1980	31.7	20.1	50.8	39.5	35.9	40.3	42.6	15.3	25.5	15.7	26.6	27.1	**30.9**
1981	0.0	6.2	23.0	10.1	13.8	15.2	14.2	3.6	0.0	0.0	0.0	1.6	**7.3**
1982	3.3	7.8	0.0	6.1	11.9	0.0	8.1	6.9	15.8	2.9	0.0	0.0	**5.2**
1983	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	2.7	0.0	0.0	7.1	**0.9**
1984	14.1	3.7	11.2	60.9	27.1	16.2	0.0	20.8	0.0	0.0	14.6	1.7	**14.2**
1985	18.8	8.7	16.6	3.5	5.5	14.6	8.1	3.5	0.3	13.3	9.4	1.9	**8.7**
1986	2.4	1.8	4.8	4.5	15.0	8.9	15.7	8.3	5.7	7.0	11.2	20.5	**8.8**
1987	5.6	2.9	5.7	2.5	2.3	1.8	2.8	2.7	2.1	3.8	3.7	2.5	**3.2**

Total Jet Naphtha Imports
Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	777	440	394	846	681	926	981	1,858	1,219	2,218	1,695	1,280	**13,315**
1974	145	26	292	529	1,417	816	1,206	1,553	1,449	802	987	784	**10,006**
1975	730	984	947	413	713	650	490	861	1,420	818	998	1,315	**10,339**
1976	323	642	164	357	906	445	529	271	336	469	485	587	**5,514**
1977	205	245	742	1,057	627	435	1,022	423	219	958	812	1,071	**7,816**
1978	272	491	507	1,264	889	117	1,057	710	188	320	892	256	**6,963**
1979	756	503	192	363	521	858	725	490	445	1,016	1,149	1,155	**8,173**
1980	984	584	1,576	1,185	1,114	1,208	1,322	475	765	486	799	839	**11,337**
1981	0	174	712	302	428	457	441	112	0	0	0	49	**2,675**
1982	101	217	0	182	370	0	250	215	474	91	0	0	**1,900**
1983	0	0	0	0	0	21	0	0	80	0	0	220	**321**
1984	438	106	347	1,826	839	485	0	646	0	0	438	54	**5,179**
1985	584	244	515	104	172	439	250	107	10	412	283	60	**3,180**
1986	75	50	149	135	466	268	487	258	171	216	336	637	**3,248**
1987	173	80	178	76	72	55	88	85	62	117	110	76	**1,172**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Total Jet Kerosine Imports
Total U.S.
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	205.8	205.7	139.7	116.9	188.6	132.7	199.9	119.8	194.3	174.8	218.2	217.3	**176.1**
1974	131.1	74.0	129.3	114.5	159.5	113.8	175.3	156.1	168.4	134.8	106.9	152.7	**134.7**
1975	205.8	164.4	99.1	123.6	110.5	84.1	71.9	104.5	92.7	79.8	55.6	67.0	**104.6**
1976	58.5	48.8	80.5	96.5	76.4	53.3	113.3	29.0	51.6	35.0	39.5	53.2	**61.3**
1977	70.6	65.6	74.8	50.6	37.0	15.6	52.4	56.9	45.8	36.3	79.9	55.0	**53.4**
1978	51.3	59.0	82.1	79.7	78.9	55.0	70.8	63.4	68.6	55.1	58.9	77.9	**66.7**
1979	72.3	75.6	54.6	36.7	61.1	28.4	67.0	32.8	69.5	57.0	45.0	70.8	**55.9**
1980	64.5	22.6	48.9	70.3	36.6	45.9	50.4	51.2	51.1	70.0	36.8	33.3	**48.5**
1981	14.6	31.4	52.7	45.0	32.9	53.2	20.7	43.8	45.5	14.0	9.1	5.8	**30.7**
1982	7.0	54.7	38.7	41.4	18.7	2.8	22.8	19.4	14.3	17.2	39.7	7.3	**23.7**
1983	26.8	8.1	35.4	15.4	29.3	24.9	30.1	40.1	41.2	49.5	22.7	16.9	**28.4**
1984	50.9	110.4	37.6	42.0	29.3	35.9	40.2	77.2	33.4	56.0	21.9	37.6	**47.7**
1985	48.7	28.9	30.0	13.8	24.0	20.1	42.8	9.5	34.0	41.6	32.4	35.4	**30.1**
1986	25.0	33.1	24.5	38.9	38.7	76.2	105.6	76.7	54.4	30.8	47.5	27.5	**48.2**
1987	37.0	63.9	77.0	62.4	64.6	63.8	69.9	51.5	81.3	78.8	51.3	65.4	**63.9**

Total Jet Kerosine Imports
Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	6,380	5,759	4,330	3,507	5,846	3,981	6,196	3,715	5,829	5,418	6,546	6,735	**64,242**
1974	4,065	2,073	4,009	3,436	4,946	3,413	5,435	4,839	5,053	4,180	3,206	4,735	**49,390**
1975	6,381	4,604	3,073	3,709	3,424	2,523	2,230	3,240	2,782	2,473	1,669	2,076	**38,184**
1976	1,815	1,416	2,496	2,894	2,369	1,600	3,511	900	1,549	1,085	1,185	1,649	**22,469**
1977	2,188	1,836	2,319	1,517	1,146	469	1,625	1,765	1,375	1,126	2,396	1,704	**19,466**
1978	1,591	1,651	2,546	2,390	2,446	1,651	2,196	1,966	2,058	1,708	1,766	2,414	**24,383**
1979	2,242	2,116	1,694	1,102	1,895	852	2,078	1,017	2,084	1,767	1,351	2,195	**20,393**
1980	2,001	654	1,515	2,108	1,135	1,378	1,563	1,588	1,534	2,169	1,104	1,032	**17,781**
1981	454	879	1,633	1,349	1,020	1,596	641	1,359	1,366	435	272	180	**11,184**
1982	217	1,532	1,200	1,242	579	84	706	600	430	534	1,192	225	**8,541**
1983	830	227	1,097	461	907	746	933	1,244	1,237	1,533	681	525	**10,421**
1984	1,578	3,201	1,166	1,261	908	1,076	1,247	2,392	1,003	1,737	656	1,165	**17,390**
1985	1,509	810	931	413	745	602	1,327	294	1,020	1,291	971	1,098	**11,011**
1986	776	928	758	1,167	1,199	2,287	3,273	2,377	1,632	954	1,425	854	**17,630**
1987	1,148	1,790	2,386	1,872	2,002	1,915	2,168	1,597	2,438	2,444	1,539	2,027	**23,326**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Total Kerosine Imports
Total U.S.
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	0.2	0.1	0.4	0.0	0.2	0.3	0.0	7.2	5.2	0.0	8.2	4.0	2.2
1974	5.9	13.0	7.5	5.3	0.0	4.3	1.3	4.9	0.7	2.7	7.3	5.1	4.8
1975	9.6	8.4	3.5	0.0	1.4	0.0	0.0	2.6	0.5	3.2	4.7	1.8	3.0
1976	0.3	12.7	8.5	8.4	2.0	7.9	3.1	5.7	8.4	15.7	10.9	20.4	8.7
1977	36.4	53.3	25.9	8.1	13.9	14.6	17.6	28.3	18.5	4.2	0.0	8.4	19.1
1978	12.1	27.6	15.6	4.6	10.7	2.6	7.0	1.8	25.9	10.6	10.8	4.9	11.2
1979	13.3	18.1	9.3	0.0	0.0	9.8	11.8	0.0	1.6	14.9	8.4	21.6	9.1
1980	15.3	22.6	16.7	9.6	7.4	4.5	7.0	0.0	0.0	4.5	0.7	32.7	10.1
1981	14.1	1.7	7.5	1.7	0.0	0.0	0.0	10.8	8.9	6.3	18.8	9.5	6.6
1982	22.9	7.8	1.6	16.7	5.8	4.8	4.8	7.9	8.1	24.2	33.7	15.4	12.8
1983	1.1	1.4	2.6	18.7	12.0	0.2	17.4	8.0	10.0	11.5	24.1	18.7	10.5
1984	17.2	19.3	1.4	0.2	1.3	9.3	8.6	8.0	6.9	23.7	29.9	20.4	12.2
1985	10.3	12.1	3.9	0.2	1.7	4.6	0.6	8.7	0.0	10.9	16.3	22.7	7.7
1986	28.7	1.3	10.9	0.2	1.8	0.0	7.4	25.6	15.5	14.4	19.0	29.6	12.9
1987	33.1	36.4	9.5	8.6	2.6	4.4	11.5	17.6	13.4	30.5	12.1	29.4	17.4

Total Kerosine Imports
Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	6	4	12	0	6	8	0	224	156	[illegible]	245	124	785
1974	182	365	232	158	0	130	41	153	21	[illegible]	218	159	1,744
1975	299	234	107	0	42	0	0	80	15	98	141	57	1,073
1976	8	368	264	251	61	237	97	178	253	487	328	631	3,163
1977	1,128	1,493	803	242	432	437	546	877	556	130	0	261	6,905
1978	375	774	483	137	332	79	218	55	776	328	323	151	4,031
1979	411	507	287	0	0	294	366	0	49	463	252	669	3,298
1980	473	656	519	287	228	136	216	0	0	138	22	1,015	3,690
1981	437	48	232	50	0	0	0	336	268	196	563	293	2,423
1982	710	218	49	502	179	145	148	245	242	751	1,011	477	4,677
1983	33	40	81	560	372	7	539	249	301	358	722	580	3,842
1984	532	560	43	5	39	279	267	247	208	734	896	633	4,443
1985	318	340	121	5	53	139	19	269	1	339	490	703	2,797
1986	891	37	337	5	57	1	230	794	466	446	569	919	4,752
1987	1,025	1,020	293	258	81	132	357	545	403	944	364	912	6,334

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Total Distillate Fuel Oil Imports
Total U.S.
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	364.2	731.2	602.3	240.2	267.8	222.0	318.4	287.6	313.3	450.9	492.3	439.2	**394.1**
1974	463.8	306.3	286.9	220.4	267.9	219.6	220.6	124.8	152.4	237.5	454.3	514.8	**289.1**
1975	334.0	301.9	255.2	109.9	136.3	69.1	103.8	92.1	129.5	104.3	96.5	138.1	**155.9**
1976	163.3	217.5	153.5	95.8	96.5	150.6	126.4	130.9	148.8	143.8	134.6	195.8	**146.5**
1977	347.2	664.3	547.1	153.0	98.6	134.7	190.5	161.4	168.7	149.8	188.3	227.1	**252.6**
1978	195.8	212.2	192.7	99.7	125.3	146.4	149.4	143.3	163.0	178.1	223.0	253.7	**173.6**
1979	225.9	195.6	175.9	150.4	185.5	179.6	224.5	217.6	125.5	211.4	234.7	229.3	**196.3**
1980	178.8	236.8	193.3	154.0	125.6	107.9	117.4	76.8	100.9	114.6	133.1	166.4	**142.1**
1981	273.4	324.6	147.3	116.1	178.8	224.9	178.7	174.2	129.1	118.6	124.5	95.0	**173.8**
1982	97.3	132.1	48.4	59.3	74.0	101.8	124.9	79.5	60.9	90.6	145.1	108.7	**93.6**
1983	68.2	58.5	42.4	73.2	146.7	178.7	266.6	301.5	258.9	260.2	203.0	220.5	**173.2**
1984	298.6	454.0	115.1	220.3	252.8	256.4	198.6	259.2	290.7	420.5	315.5	190.3	**272.7**
1985	271.5	143.0	155.9	253.3	197.1	151.9	95.3	81.5	222.5	261.5	280.4	286.7	**200.1**
1986	324.9	168.8	217.3	147.2	148.9	168.6	312.6	370.1	261.7	243.0	254.1	338.7	**246.3**
1987	222.2	253.0	296.9	191.5	202.8	265 4	380.6	222.0	221.5	237.0	187.5	377.6	**254.8**

Total Distillate Fuel Oil Imports
Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	11,289	20,474	18,672	7,207	8,301	6,660	9,870	8,915	9,399	13,978	14,769	13,615	**143,149**
1974	14,377	8,577	8,893	6,612	8,305	6,589	6,838	3,869	4,571	7,361	13,629	15,958	**105,579**
1975	10,355	8,453	7,911	3,297	4,225	2,072	3,219	2,854	3,885	3,232	2,894	4,281	**56,678**
1976	5,061	6,308	4,758	2,875	2,993	4,517	3,917	4,059	4,465	4,458	4,039	6,070	**53,520**
1977	10,763	18,601	16,960	4,591	3,057	4,042	5,907	5,003	5,061	4,645	5,648	7,040	**91,318**
1978	6,070	5,942	5,973	2,992	3,884	4,392	4,631	4,441	4,889	5,5[illegible]0	6,689	7,865	**63,288**
1979	7,002	5,477	5,453	4,512	5,750	5,387	6,960	6,745	3,765	6,552	7,042	7,109	**71,754**
1980	5,544	6,866	5,992	4,619	3,894	3,236	3,640	2,382	3,028	3,554	3,994	5,159	**51,908**
1981	8,475	9,090	4,567	3,483	5,542	6,746	5,539	5,400	3,872	3,678	3,734	2,944	**63,070**
1982	3,015	3,699	1,501	1,780	2,293	3,054	3,872	2,466	1,828	2,808	4,352	3,370	**34,038**
1983	2,115	1,638	1,314	2,197	4,547	5,362	8,265	9,346	7,766	8,066	6,090	6,836	**63,542**
1984	9,257	13,167	3,568	6,608	7,836	7,691	6,156	8,034	8,720	13,037	9,465	5,900	**99,439**
1985	8,418	4,004	4,834	7,600	6,110	4,558	2,954	2,526	6,675	8,107	8,413	8,889	**73,088**
1986	10,071	4,727	6,736	4,417	4,615	5,057	9,692	11,474	7,850	7,534	7,622	10,501	**90,296**
1987	6,888	7,084	9,203	5,745	6,288	7,963	11,800	6,882	6,646	7,348	5,624	11,705	**93,176**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Total Residual Fuel Oil Imports
Total U.S.
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	2,019.1	2,146.8	2,195.5	1,705.3	1,668.0	1,760.8	1,597.4	1,913.3	1,849.0	1,597.1	1,978.8	1,825.6	**1,854.7**
1974	1,733.1	1,904.0	1,713.5	1,592.8	1,362.3	1,499.6	1,473.9	1,519.9	1,421.5	1,465.4	1,752.7	1,630.2	**1,589.1**
1975	1,657.2	1,402.5	1,292.7	1,053.9	1,160.2	902.4	1,124.6	1,020.7	1,310.7	1,251.4	1,225.4	1,283.1	**1,223.7**
1976	1,455.1	1,773.7	1,342.3	1,257.6	1,133.9	1,228.6	1,455.1	1,307.1	1,451.7	1,269.5	1,474.5	1,827.7	**1,414.7**
1977	1,614.5	1,996.1	1,447.9	1,139.9	1,144.5	1,180.6	1,270.9	1,440.8	1,457.9	1,217.7	1,093.7	1,347.8	**1,362.7**
1978	1,380.2	1,581.8	1,709.8	1,574.6	1,231.1	1,031.4	1,295.0	1,275.0	1,318.1	1,120.5	1,352.5	1,409.5	**1,356.6**
1979	1,370.8	1,300.0	1,641.7	1,133.9	1,050.7	879.9	1,064.5	1,022.8	979.3	1,041.7	1,046.1	1,277.7	**1,150.8**
1980	1,338.8	1,122.0	976.3	775.2	811.9	749.3	787.4	874.5	905.8	875.3	1,024.3	1,025.4	**938.9**
1981	1,015.4	954.0	699.2	583.8	741.2	540.4	829.9	819.1	841.2	785.6	880.2	915.9	**800.5**
1982	831.1	956.3	912.3	788.2	741.7	651.5	656.5	550.4	872.2	782.8	836.3	747.0	**777.2**
1983	690.6	646.9	686.2	753.4	737.8	677.2	684.3	739.4	706.1	638.5	780.0	648.9	**699.1**
1984	1,059.0	1,151.4	635.6	650.6	564.9	684.6	597.2	572.4	605.9	460.7	585.0	627.5	**682.9**
1985	567.7	579.6	477.4	382.9	393.8	400.3	437.2	423.9	617.5	541.5	627.5	681.3	**510.9**
1986	622.0	604.3	626.4	545.4	674.6	712.1	673.4	793.4	641.4	634.5	574.2	912.6	**667.8**
1987	700.9	668.1	558.9	475.8	504.6	480.9	720.7	512.3	526.4	414.2	567.5	650.2	**565.0**

Total Residual Fuel Oil Imports
Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	62,591	60,111	68,062	51,160	51,707	52,824	49,518	59,313	55,471	49,509	59,365	56,594	**676,225**
1974	53,727	53,313	53,118	47,785	42,232	44,989	45,691	47,117	42,644	45,426	52,580	50,535	**579,157**
1975	51,374	39,269	40,074	31,618	35,965	27,071	34,863	31,641	39,322	38,792	36,762	39,777	**446,528**
1976	45,109	51,438	41,610	37,728	35,152	36,859	45,108	40,519	43,552	39,356	44,234	56,660	**517,325**
1977	50,050	55,892	44,884	34,196	35,480	35,417	39,399	44,666	43,738	37,749	32,811	41,783	**496,065**
1978	42,785	44,290	53,005	47,237	38,163	30,941	40,145	39,525	39,544	34,737	40,575	43,693	**494,840**
1979	42,494	36,400	50,892	34,018	32,571	26,398	33,000	31,[illegible]08	29,378	32,292	31,383	39,610	**420,144**
1980	41,504	32,537	30,266	23,257	25,169	22,479	24,410	27,110	27,173	27,135	30,730	31,787	**343,557**
1981	31,476	26,712	21,674	17,513	22,978	16,211	25,726	25,391	25,236	24,353	26,406	28,393	**292,069**
1982	25,763	26,776	28,281	23,647	22,994	19,546	20,353	17,062	26,166	24,267	25,089	23,157	**283,101**
1983	21,409	18,114	21,273	22,602	22,872	20,317	21,213	22,922	21,182	19,793	23,401	20,115	**255,213**
1984	32,830	33,392	19,703	19,518	17,512	20,538	18,513	17,745	18,178	14,282	17,550	1[illegible],451	**24[illegible],212**
1985	17,600	16,230	14,800	11,488	12,209	12,009	13,552	13,140	18,525	16,785	18,825	21,120	**186,283**
1986	19,283	16,919	19,417	16,361	20,912	21,363	20,875	24,596	19,242	19,670	17,225	28,290	**244,153**
1987	21,728	18,706	17,327	14,273	15,642	14,427	22,341	15,881	15,792	12,841	17,025	20,155	**206,138**

Data from Oil & Gas Journal Energy Database
Source: Bureau of Mines, Energy Information Administration

Total Liquified Petroleum Gases & Ethane Imports
Total U.S.
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	203.7	189.9	147.0	89.9	113.3	75.8	86.5	129.5	98.7	148.7	170.7	127.2	**131.7**
1974	205.8	171.1	119.9	113.0	117.2	119.8	85.1	82.8	76.5	109.1	117.3	163.5	**123.4**
1975	178.6	115.6	95.5	101.8	38.0	92.5	98.1	81.7	120.7	139.0	130.0	147.6	**111.6**
1976	155.6	142.8	125.4	85.0	89.5	114.2	88.5	108.2	106.9	172.3	177.2	189.5	**129.6**
1977	196.9	221.3	191.5	137.0	135.6	168.9	125.5	167.4	111.1	122.6	150.7	212.1	**161.7**
1978	170.5	171.1	113.2	80.2	94.4	98.8	112.2	81.3	94.0	104.1	112.3	242.9	**122.9**
1979	240.5	238.5	238.3	149.4	241.9	162.0	230.7	225.8	184.4	180.9	253.7	258.1	**217.0**
1980	263.7	251.9	214.2	186.3	180.6	184.0	171.8	157.6	213.4	249.1	231.1	289.5	**216.1**
1981	306.5	327.3	259.9	213.6	189.4	205.9	212.6	194.9	199.3	287.1	280.3	255.4	**244.4**
1982	313.6	290.5	223.0	187.7	186.1	192.5	227.2	125.2	247.1	194.3	266.7	258.3	**226.0**
1983	239.7	304.5	166.3	123.5	166.6	172.2	191.5	159.8	178.1	160.3	179.9	247.3	**190.8**
1984	269.4	236.9	240.9	155.4	210.8	157.9	131.6	153.7	127.7	206.7	211.8	237.1	**195.0**
1985	255.1	236.8	223.2	156.0	137.8	180.9	130.8	152.9	132.1	208.5	187.5	238.9	**186.7**
1986	280.4	208.4	201.7	134.0	196.3	253.2	302.6	270.8	281.7	233.5	309.8	227.4	**241.7**
1987	183.1	191.5	131.5	149.2	142.5	119.3	190.0	197.6	287.8	233.0	232.8	213.5	**189.3**

Total Liquified Petroleum Gases & Ethane Imports
Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	6,315	5,317	4,558	2,697	3,511	2,273	2,683	4,014	2,961	4,610	5,120	3,943	**48,002**
1974	6,381	4,790	3,716	3,389	3,633	3,594	2,637	2,567	2,296	3,381	3,518	5,069	**44,971**
1975	5,538	3,237	2,962	3,053	1,179	2,776	3,042	2,533	3,622	4,308	3,900	4,577	**40,727**
1976	4,824	4,140	3,886	2,551	2,773	3,425	2,744	3,353	3,208	5,342	5,315	5,875	**47,436**
1977	6,105	6,197	5,938	4,111	4,203	5,066	3,889	5,189	3,332	3,801	4,522	6,574	**58,927**
1978	5,286	4,791	3,509	2,406	2,926	2,964	3,477	2,520	2,821	3,226	3,370	7,531	**44,827**
1979	7,455	6,677	7,386	4,482	7,498	4,860	7,153	7,000	5,533	5,607	7,612	8,000	**79,263**
1980	8,174	7,304	6,640	5,588	5,600	5,521	5,326	4,886	6,402	7,722	6,933	8,973	**79,069**
1981	9,500	9,164	8,058	6,409	5,872	6,176	6,591	6,041	5,979	8,900	8,409	7,916	**89,015**
1982	9,722	8,135	6,913	5,631	5,770	5,774	7,042	3,880	7,413	6,024	8,001	8,006	**82,311**
1983	7,432	8,527	5,156	3,706	5,166	5,167	5,935	4,955	5,344	4,969	5,398	7,665	**69,420**
1984	8,350	6,871	7,467	4,662	6,536	4,738	4,080	4,765	3,832	6,407	6,355	7,349	**71,412**
1985	7,908	6,629	6,919	4,680	4,273	5,427	4,054	4,740	3,963	6,464	5,626	7,406	**68,089**
1986	8,691	5,835	6,254	4,019	6,085	7,596	9,380	8,396	8,451	7,239	9,294	7,050	**88,290**
1987	5,677	5,363	4,078	4,476	4,417	3,578	5,889	6,127	8,634	7,223	6,983	6,620	**69,065**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

U.S. Imports from OPEC Nations
Crude Oil (Including SPR*)
Thousands of barrels

	1977	1978	1979	1980	1981	1982
Algeria	198,468	231,253	222,042	166,980	95,165	32,714
Ecuador	20,229	13,910	11,010	6,129	13,967	11,788
Gabon	12,632	13,841	15,328	9,062	12,633	14,429
Indonesia	184,984	194,620	138,528	114,990	116,126	82,315
Iran	193,415	202,357	108,269	3,086	0	12,854
Iraq	26,894	22,673	32,052	10,328	0	974
Kuwait	15,434	1,718	1,898	9,712	0	904
Libya	256,984	232,897	234,173	200,406	115,572	8,452
Nigeria	412,498	332,035	390,116	307,840	222,981	186,329
Qatar	24,281	23,224	11,450	7,920	2,665	2,600
Saudi Arabia	501,072	416,910	491,514	457,671	406,059	193,536
United Arab Emirates	121,640	140,653	102,709	63,052	27,950	29,509
Venezuela	91,331	66,125	106,794	56,950	53,590	56,434
Total OPEC	**2,059,862**	**1,892,218**	**1,865,883**	**1,414,126**	**1,066,708**	**632,838**
% Total U.S. crude imports (incl. SPR*)	85.3	81.6	78.4	73.4	66.5	49.7

	1983	1984	1985	1986	1987
Algeria	64,274	71,074	30,524	28,423	41,932
Ecuador	20,594	17,066	20,334	23,408	8,217
Gabon	21,415	20,838	18,797	8,959	12,655
Indonesia	115,156	111,404	106,654	108,376	95,775
Iran	17,575	3,706	9,919	7,078	35,942
Iraq	3,758	4,554	16,889	29,401	29,842
Kuwait	2,641	8,780	1,316	10,106	25,630
Libya	0	0	0	0	0
Nigeria	109,807	75,669	102,134	159,683	193,004
Qatar	0	1,497	0	4,365	0
Saudi Arabia	117,325	113,078	48,044	225,627	234,213
United Arab Emirates	6,641	32,966	12,760	13,806	20,602
Venezuela	59,854	92,728	111,627	151,937	178,163
Total OPEC	**539,040**	**553,380**	**478,998**	**771,169**	**875,975**
% Total U.S. crude imports (incl. SPR*)	44.3	44.1	41.0	50.6	51.3

* Strategic Petroleum Reserve

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

U.S. Imports from OPEC Nations
Total Refined Products
Thousands of barrels

	1981	1982	1983	1984	1985	1986	1987
Algeria	18,198	29,223	23,268	47,186	37,715	70,502	65,685
Ecuador	3,732	3,518	1,846	3,102	4,274	4,836	2,503
Gabon	0	117	0	306	291	463	0
Indonesia	17,520	8,323	8,332	14,241	7,803	7,866	8,199
Iran	0	0	0	0	0	0	0
Iraq	0	0	0	0	0	210	379
Kuwait	0	982	2,351	4,356	6,341	14,758	5,039
Libya	969	908		213	1,629	0	0
Nigeria	3,437	1,286	408	3,294	4,693	1,047	2,269
Qatar	0	0	2	202	100	357	0
Saudi Arabia	6,135	7,927	5,766	5,811	13,141	24,364	40,004
United Arab Emirates	1,700	4,154	4,474	9,862	3,837	2,237	1,598
Venezuela	94,620	93,881	94,182	107,840	109,139	137,532	115,403
Total OPEC	**146,311**	**150,319**	**140,629**	**196,413**	**188,963**	**264,172**	**241,079**
% Total U.S. product imports	**25.1**	**25.3**	**22.4**	**26.7**	**27.7**	**35.4**	**33.0**

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

U.S. Crude Oil Imports
Including Strategic Petroleum Reserve
By Country of Origin
Thousands of barrels

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Algeria *	231,253	222,042	166,980	95,165	32,714	64,274	71,074	30,524	28,423	41,932
Angola	2,290	14,088	13,389	16,528	15,248	25,763	31,172	37,889	37,076	65,657
Australia	NA	NA	NA	NA	NA	0	9,177	7,557	10,973	17,952
Canada	90,490	99,081	73,002	59,904	78,041	100,142	124,687	170,800	208,163	221,981
China	0	4,874	0	0	2,824	2,100	5,615	13,027	24,754	22,953
Colombia	0	0	0	0	0	0	0	0	20,715	41,809
Congo	5,454	909	2,658	1,276	456	6,616	12,226	5,962	7,188	5,960
Ecuador *	13,910	11,010	6,129	13,967	11,788	20,594	17,066	20,334	23,408	8,217
Gabon *	13,841	15,328	9,062	12,633	14,429	21,415	20,838	18,797	8,959	12,655
Indonesia *	194,620	138,528	114,990	116,126	82,315	115,156	111,404	106,654	108,376	95,775
Iran *	202,357	108,269	3,086	0	12,854	17,575	3,706	9,919	7,078	35,942
Iraq *	22,673	32,052	10,328	0	974	3,758	4,554	16,889	29,401	29,842
Libya *	232,897	234,173	200,406	115,572	8,452	NA	0	0	0	0
Malaysia	13,677	18,954	22,213	12,143	6,574	930	0	301	3,883	4,464
Mexico	115,426	158,908	185,541	171,363	235,298	279,703	241,054	261,019	226,533	219,552
Nigeria *	332,035	390,116	307,840	222,981	186,329	109,807	75,669	102,134	159,683	193,004
Norway	37,815	27,523	52,727	41,542	37,299	23,836	40,927	11,311	19,403	25,395
Oman	22,240	13,466	8,693	8,702	8,183	12,281	3,755	655	2,897	-12,831
Peru	6,807	14,746	14,728	10,813	7,725	3,062	224	4,371	3,372	379
Saudi Arabia *	416,910	491,514	457,671	406,059	193,536	117,325	113,078	48,044	225,627	234,213
Trinidad & Tobago	51,974	44,950	42,011	37,186	33,541	30,207	31,939	35,595	34,060	27,408
United Arab Emirates *	140,653	102,709	63,052	27,950	29,509	6,641	32,966	12,760	13,806	20,602
United Kingdom	61,555	71,923	63,459	134,766	161,061	133,142	138,246	101,552	115,659	111,060
Venezuela *	66,125	106,794	56,950	53,590	56,434	59,854	92,728	111,627	151,937	178,163
Zaire	263	1,379	4,690	5,977	6,914	8,158	11,460	12,569	9,490	8,128
Other	44,561	56,205	46,557	40,461	50,716	52,886	60,384	28,007	44,114	70,048
Total U.S. Imports	**2,319,826**	**2,379,541**	**1,926,162**	**1,604,704**	**1,273,214**	**1,215,225**	**1,253,949**	**1,188,297**	**1,524,978**	**1,705,922**

* OPEC member.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

U.S. Refined Product Imports
By Country of Origin
Thousands of barrels

	1981	1982	1983	1984	1985	1986	1987
Algeria *	18,198	29,223	23,268	47,186	37,715	70,502	65,685
Angola	1,404	927	2,729	1,853	2,090	3,771	4,517
Australia	1,714	1,804	1,454	4,579	5,811	4,064	3,254
Bahamas	27,081	23,667	45,581	32,364	14,561	13,416	13,441
Brazil	3,417	10,269	14,304	22,032	22,251	18,254	30,671
Canada	103,301	97,973	99,567	105,837	110,250	86,250	87,570
China	6,631	11,921	10,205	11,255	8,461	573	7,065
Ecuador *	3,732	3,518	1,846	3,102	4,274	4,836	2,503
France	2,126	730	645	2,159	4,422	4,862	3,095
Indonesia *	17,520	8,323	8,332	14,241	7,803	7,866	8,199
Italy	0	0	0	0	0	27,659	19,499
Kuwait *	0	982	2,351	4,356	6,341	14,758	5,039
Mexico	19,348	14,675	21,959	32,773	36,783	28,457	19,416
Netherlands	10,896	12,727	22,838	22,630	21,210	19,651	22,066
Netherlands Antilles	71,974	63,806	68,916	68,812	14,720	9,273	10,487
Peru	1,516	5,842	8,254	6,487	3,932	7,333	9,875
Puerto Rico	22,647	18,150	14,498	15,210	10,240	7,817	7,829
Romania	2,526	2,195	10,755	16,868	18,245	19,393	19,706
Saudi Arabia *	6,135	7,927	5,766	5,811	13,141	24,364	40,004
Spain	465	1,166	634	3,938	10,454	19,417	20,019
Trinidad & Tobago	11,363	7,415	4,912	2,581	5,534	11,477	11,464
United Arab Emirates *	1,700	4,154	4,474	9,862	3,837	2,237	1,598
United Kingdom	2,091	5,264	6,450	8,928	11,512	12,182	17,456
Venezuela *	94,620	93,881	94,182	107,840	109,139	137,532	115,403
Virgin Islands	119,365	115,399	102,969	107,645	90,206	88,894	99,434
Other	186,217	51,206	51,630	77,638	108,278	101,766	86,142
Total U.S. Imports	**735,987**	**593,144**	**628,519**	**735,987**	**681,210**	**748,804**	**731,437**

* OPEC member.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Crude Oil and Natural Gas Liquids Imports
Thousands of barrels per day

	Canada	France	Italy	Japan	Netherlands	United Kingdom	United States	West Germany	Other OECD	Total OECD
1981	521.5	1,929.8	1,841.2	3,992.6	784.5	746.7	5,051.2	1,613.5	3,507.5	**19,988.5**
1982	339.3	1,639.7	1,734.2	3,733.4	755.0	684.3	4,187.1	1,470.8	3,247.9	**17,791.6**
1983	250.0	1,448.3	1,552.2	3,588.6	814.2	632.5	4,015.2	1,324.7	3,093.8	**18,719.4**
1984	244.8	1,485.5	1,527.7	3,689.4	901.9	652.2	4,182.8	1,353.6	3,083.1	**17,121.1**
1985	282.7	1,517.5	1,481.5	3,424.1	801.9	726.0	3,989.3	1,302.1	3,000.0	**18,525.2**
1986	355.8	1,444.7	1,663.5	3,358.5	947.7	826.7	4,959.4	1,350.2	3,430.5	**18,337.0**
1987	407.4	1,389.0	1,597.4	3,202.1	975.1	837.4	5,508.8	1,294.3	3,503.7	**18,715.1**

Total Refined Products Imports
Thousands of barrels per day

	Canada	France	Italy	Japan	Netherlands	United Kingdom	United States	West Germany	Other OECD	Total OECD
1981	56.6	302.8	341.4	594.5	702.2	200.7	1,075.4	801.2	1,396.5	**5,471.4**
1982	46.9	416.3	375.9	658.9	802.0	276.4	1,098.5	851.9	1,520.6	**6,047.4**
1983	56.3	465.4	341.4	758.3	811.3	216.9	1,211.3	968.2	1,532.6	**6,381.9**
1984	101.0	469.2	352.8	828.9	712.9	508.5	1,442.6	961.1	1,396.5	**6,773.7**
1985	97.5	389.1	396.2	872.6	805.8	296.0	1,269.2	1,055.3	1,406.6	**6,588.3**
1986	112.9	485.2	352.0	1,029.2	883.0	251.4	1,389.4	1,196.9	1,482.5	**7,182.5**
1987	158.9	581.6	474.4	1,245.5	759.5	184.0	1,331.6	1,140.2	1,385.2	**7,281.0**

Note: Data are converted from IEA figures in thousands of tonnes. U.S. figures differ from those reported elsewhere in this publication due to data conversion, difference in source and timing of data reporting.

Data from Oil & Gas Journal Energy Database.
Source: International Energy Agency

Crude Oil and Refined Products Imports
Total OECD
Thousands of barrels per day

	Crude Oil & NGL	Total Refined Products	Total Gasoline	Gas Oil/ Diesel Oil	Heavy (Residual) Fuel Oil	Other Refined Products
1981						
1st Qtr.	21,496.4	5,344.5	565.3	1,127.5	1,652.1	1,999.6
2nd Qtr.	19,581.4	4,941.2	616.5	969.6	1,460.0	1,895.0
3rd Qtr.	18,960.5	5,724.7	663.0	1,278.9	1,806.5	1,976.3
4th Qtr.	19,915.9	5,875.5	579.3	1,375.2	1,855.7	2,065.4
1982						
1st Qtr.	18,490.0	5,999.9	558.5	1,305.0	1,984.5	2,152.0
2nd Qtr.	17,214.0	5,777.8	701.9	1,147.9	1,750.9	2,177.2
3rd Qtr.	17,637.0	5,963.4	726.8	1,237.5	1,766.1	2,233.0
4th Qtr.	17,825.6	6,448.3	730.3	1,462.5	1,912.5	2,343.1
1983						
1st Qtr.	15,746.8	6,241.6	703.8	1,484.9	1,751.8	2,301.2
2nd Qtr.	15,863.2	6,423.1	851.6	1,458.0	1,770.8	2,342.7
3rd Qtr.	17,444.2	6,202.1	807.4	1,440.7	1,681.2	2,272.8
4th Qtr.	17,823.5	6,580.8	809.7	1,657.4	1,709.6	2,404.1
1984						
1st Qtr.	17,639.8	6,565.9	811.7	1,562.5	1,786.3	2,405.5
2nd Qtr.	17,402.5	6,665.8	898.3	1,471.8	1,843.9	2,451.7
3rd Qtr.	16,603.1	6,699.5	880.2	1,593.9	1,823.0	2,402.3
4th Qtr.	16,838.9	7,163.7	849.7	1,686.9	2,045.6	2,581.5
1985						
1st Qtr.	16,601.4	6,495.8	853.6	1,512.9	1,812.7	2,316.6
2nd Qtr.	15,670.1	6,227.9	1,056.4	1,498.7	1,388.9	2,283.9
3rd Qtr.	16,175.8	6,705.1	997.9	1,819.4	1,518.6	2,369.2
4th Qtr.	17,691.8	6,942.5	972.4	1,876.9	1,600.4	2,492.8
1986						
1st Qtr.	17,450.3	6,773.4	885.4	1,963.5	1,427.7	2,496.9
2nd Qtr.	17,899.7	7,540.4	1,186.4	2,153.1	1,634.6	2,566.4
3rd Qtr.	19,909.2	7,658.7	1,191.7	1,938.1	1,807.8	2,721.2
4th Qtr.	18,457.2	7,160.9	1,067.1	1,653.4	1,702.4	2,738.0
1987						
1st Qtr.	17,983.8	7,133.7	1,030.9	1,912.3	1,510.0	2,680.6
2nd Qtr.	17,547.2	6,917.7	1,148.1	1,700.6	1,452.0	2,617.0
3rd Qtr.	19,478.5	7,465.6	1,187.3	1,886.0	1,543.7	2,848.6
4th Qtr.	19,825.8	7,551.8	1,232.9	1,907.4	1,479.2	2,932.3

Data from Oil & Gas Journal Energy Database.
Source: International Energy Agency

Total U.S. Crude Oil Exports
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	0.0	0.0	0.0	0.0	4.1	0.0	7.5	0.0	5.3	0.0	0.0	5.7	1.9
1974	17.2	10.0	0.0	0.5	6.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	3.0
1975	27.0	33.6	11.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0
1976	0.0	0.0	1.5	0.0	0.0	0.0	0.0	12.3	0.0	18.2	30.0	33.9	8.0
1977	13.3	59.0	32.1	16.8	89.0	9.7	53.1	36.9	90.6	85.3	45.2	68.7	50.0
1978	98.3	8.1	59.8	91.6	123.7	195.0	137.9	181.8	251.2	271.5	217.8	250.5	157.3
1979	176.9	288.4	369.6	259.7	171.4	234.6	244.5	244.9	174 7	178.6	264.2	215.3	235.2
1980	321.8	331.5	329.6	192.3	325.7	365.3	237.6	77.8	321.6	309.2	289.0	342.6	287.0
1981	338.6	198.0	210.3	197.7	312.2	123.3	257.3	203.9	193.8	225.7	277.9	188.9	227.3
1982	238.2	304.3	321.0	174.5	261.6	94.0	229.2	303.8	184.1	270.5	262.0	192.6	236.3
1983	116.9	262.1	173.5	87.7	280.3	143.5	145.0	172.0	177.2	139.9	185.6	94.7	164.9
1984	152.9	184.7	235.6	171.6	218.8	222.2	107.8	189.9	161.5	141.0	202.0	185.1	181.1
1935	144.5	220.8	189.0	235.6	249.9	225.5	153.9	241.3	188.2	123.2	286.4	196.9	204.6
1986	158.6	161.5	212.2	94.3	98.4	240.2	65.2	233.0	161.0	150.7	114.7	158.6	154.0
1987	83.7	283.6	149.8	247.0	68.5	115.6	148.9	141.3	115.9	83.6	163.6	219.6	151.8

Total U.S. Crude Oil Exports
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	0	0	0	0	128	0	232	0	160	0	0	177	697
1974	534	281	0	15	200	44	0	0	0	0	0	0	1,074
1975	836	942	349	19	0	0	0	0	0	0	0	0	2,146
1976	0	0	45	0	1	0	0	380	0	563	900	1,052	2,941
1977	412	1,651	995	505	2,760	292	1,646	1,146	2,719	2,645	1,355	2,130	18,255
1978	3,048	226	1,855	2,749	3,834	5,851	4,276	5,636	7,536	8,418	6,533	7,766	57,728
1979	5,484	8,076	11,458	7,790	5,314	7,038	7,579	7,592	5,241	5,537	7,925	6,673	85,707
1980	9,975	9,614	10,218	5,770	10,097	10,960	7,367	2,412	9,647	9,586	8,669	10,620	104,935
1981	10,496	5,543	6,519	5,931	9,679	3,698	7,976	6,320	5,813	6,996	8,338	5,857	83,168
1982	7,383	8,521	9,950	5,234	8,111	2,819	7,105	9,419	5,524	8,384	7,859	5,970	86,279
1983	3,625	7,338	5,379	2,630	8,688	4,306	4,494	5,333	5,315	4,336	5,567	2,937	59,948
1984	4,739	5,355	7,304	5,147	6,782	6,665	3,341	5,886	4,846	4,371	6,061	5,737	66,234
1985	4,478	6,181	5,858	7,069	7,747	6,766	4,772	7,479	5,645	3,820	8,593	6,105	74,513
1986	4,918	4,523	6,577	2,829	3,049	7,206	2,021	7,222	4,829	4,673	3,441	4,917	56,205
1987	2,595	7,940	4,645	7,409	2,125	3,468	4,616	4,380	3,478	2,592	4,907	6,809	54,964

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

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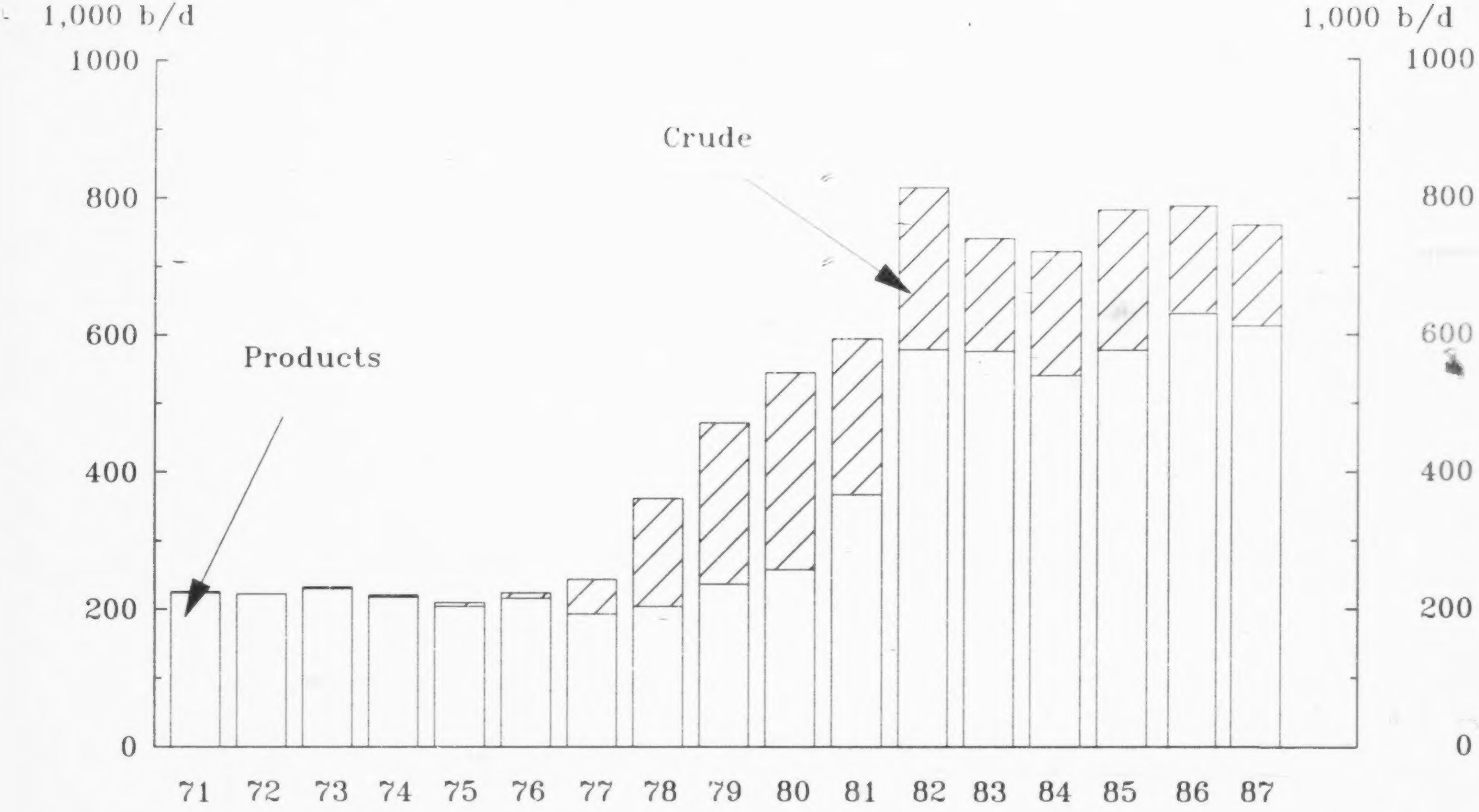
U.S. Crude and Products Exports



Source: EIA

Total U.S. Products Exports
(Including Unfinished)
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	210.6	261.0	224.2	275.6	233.3	215.4	233.3	218.2	237.7	222.0	202.6	222.1	**229.7**
1974	189.5	192.8	195.6	242.8	240.1	236.9	253.2	247.2	170.9	220.9	186.5	231.1	**217.3**
1975	201.1	214.4	201.8	189.8	202.4	224.4	185.7	202.9	205.3	187.0	165.9	261.6	**203.5**
1976	155.8	241.3	183.2	222.0	179.4	212.8	242.5	207.7	195.9	179.6	317.8	245.5	**215.3**
1977	178.7	175.4	174.7	206.5	199.2	215.2	200.5	192.8	203.4	169.8	190.0	205.6	**192.7**
1978	158.2	200.2	208.8	245.4	189.3	203.6	191.9	229.0	225.7	197.3	190.9	204.8	**203.8**
1979	215.5	197.5	241.2	233.8	257.5	233.2	241.5	221.4	239.0	246.5	245.5	256.2	**235.7**
1980	227.9	226.8	243.3	241.4	265.5	288.8	293.0	240.7	235.3	288.3	259.8	279.5	**257.5**
1981	219.3	371.2	375.8	372.1	282.8	297.1	314.1	440.0	325.5	512.2	422.8	466.6	**366.6**
1982	590.7	499.5	561.1	611.0	541.9	609.1	511.8	553.8	606.4	661.5	524.1	667.3	**578.2**
1983	856.4	603.3	627.3	721.4	568.1	630.5	426.4	491.2	507.2	436.1	493.7	544.1	**575.5**
1984	422.4	397.2	607.7	483.4	547.5	642.0	428.5	542.1	502.3	458.4	652.2	800.6	**540.4**
1985	647.3	636.2	504.5	527.9	455.5	466.5	521.3	507.5	617.8	567.0	750.0	728.4	**577.5**
1986	700.1	714.5	519.6	755.7	625.3	401.4	620.1	634.8	553.3	679.8	706.0	661.2	**631.0**
1987	619.2	693.5	570.0	623.5	597.3	553.7	531.3	522.8	679.6	562.1	573.2	837.7	**613.7**

Total U.S. Products Exports
(Including Unfinished)
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	6,529	7,307	6,950	8,267	7,231	6,463	7,231	6,763	7,130	6,883	6,077	6,885	**83,716**
1974	5,874	5,399	6,064	7,285	7,443	7,108	7,849	7,664	5,126	6,847	5,594	7,164	**79,417**
1975	6,234	6,002	6,257	5,694	6,275	6,733	5,756	6,289	6,159	5,796	4,977	8,110	**74,282**
1976	4,829	6,997	5,680	6,660	5,561	6,383	7,517	6,440	5,877	5,568	9,534	7,612	**78,658**
1977	5,541	4,912	5,416	6,196	6,176	6,457	6,217	5,977	6,102	5,264	5,700	6,375	**70,333**
1978	4,905	5,605	6,473	7,361	5,867	6,107	5,949	7,099	6,771	6,116	5,727	6,349	**74,329**
1979	6,680	5,530	7,478	7,014	7,982	6,995	7,488	6,862	7,171	7,641	7,366	7,942	**86,149**
1980	7,066	6,576	7,542	7,242	8,232	8,665	9,083	7,462	7,058	8,937	7,795	8,663	**94,321**
1981	6,798	10,393	11,651	11,162	8,768	8,914	9,736	13,641	9,765	15,879	12,685	14,464	**133,856**
1982	18,311	13,986	17,393	18,330	16,798	18,274	15,867	17,167	18,193	20,506	15,723	20,687	**211,235**
1983	26,549	16,892	19,445	21,642	17,610	18,914	13,217	15,226	15,216	13,518	14,812	16,866	**209,907**
1984	13,093	11,519	18,840	14,503	16,974	19,259	13,285	16,805	15,069	14,211	19,565	24,820	**197,943**
1985	20,066	17,813	15,640	15,837	14,121	13,996	16,159	15,733	18,535	17,577	22,500	22,579	**210,556**
1986	21,702	20,006	16,107	22,671	19,383	12,041	19,224	19,680	16,599	21,074	21,181	20,498	**230,186**
1987	19,196	19,419	17,671	18,706	18,515	16,610	16,469	16,206	20,388	17,424	17,197	25,968	**223,769**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Total Motor Gasoline Exports
Total U.S.
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	1.0	5.1	0.7	4.3	4.9	0.9	2.3	0.3	0.9	8.1	15.3	4.7	**4.0**
1974	4.1	0.6	7.3	1.4	0.3	0.4	0.7	5.5	0.5	0.5	0.4	6.3	**2.3**
1975	0.5	9.5	0.8	1.3	0.5	0.7	1.3	0.4	0.2	1.0	0.9	7.9	**2.1**
1976	0.2	6.2	6.4	7.5	1.1	0.5	1.3	6.7	0.4	0.1	0.5	6.6	**3.1**
1977	8.4	1.9	0.3	1.1	1.9	1.0	0.7	1.1	1.0	1.4	1.6	0.8	**1.8**
1978	1.1	0.8	1.4	0.8	1.6	0.8	1.7	1.3	2.0	2.0	0.7	1.2	**1.3**
1979	0.6	0.6	0.5	0.7	0.4	0.2	0.3	0.7	0.2	0.5	0.5	0.1	**0.4**
1980	0.6	0.4	0.2	0.5	1.0	0.7	3.2	1.0	6.7	1.0	0.4	0.6	**1.3**
1981	0.4	0.7	0.5	0.3	0.7	0.6	0.4	2.8	1.7	2.8	0.9	10.7	**1.9**
1982	18.1	7.9	44.1	33.0	23.1	14.4	24.5	16.0	21.7	14.6	11.4	6.7	**19.6**
1983	0.5	0.2	23.4	1.3	1.4	21.6	18.3	12.8	13.7	1.6	2.2	25.4	**10.2**
1984	0.8	1.7	9.2	0.3	0.2	17.1	9.1	1.4	1.6	1.0	11.0	15.9	**5.8**
1985	1.8	1.8	3.1	10.6	8.1	7.1	17.8	4.3	5.7	18.7	16.9	17.6	**9.5**
1986	5.8	11.2	21.4	23.0	8.9	18.1	46.9	42.5	40.3	61.2	95.8	24.3	**33.3**
1987	44.2	22.2	19.8	42.2	48.2	46.0	32.6	18.9	30.1	21.0	32.1	59.0	**34.7**

Total Motor Gasoline Exports
Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	32	142	22	130	151	28	70	8	27	251	459	146	**1,466**
1974	126	18	225	41	10	11	21	172	15	17	13	196	**865**
1975	17	266	26	38	14	22	39	13	5	32	27	245	**744**
1976	6	179	199	225	35	14	41	209	12	2	15	206	**1,143**
1977	259	53	10	32	58	29	22	33	31	43	49	24	**643**
1978	35	22	44	23	49	25	53	39	60	62	20	38	**470**
1979	18	16	15	20	11	5	9	21	6	14	16	4	**155**
1980	18	12	6	15	30	20	98	31	201	30	13	19	**493**
1981	12	19	14	9	23	19	12	87	52	88	27	333	**695**
1982	562	222	1,367	990	717	431	758	495	651	452	343	208	**7,196**
1983	14	6	726	38	44	647	568	398	411	51	66	786	**3,755**
1984	25	50	285	9	6	514	281	44	48	31	329	492	**2,114**
1985	55	51	95	318	251	212	551	134	172	581	508	545	**3,473**
1986	179	314	662	691	277	542	1,454	1,319	1,210	1,897	2,874	752	**12,171**
1987	1,371	622	615	1,266	1,494	1,381	1,010	585	903	650	962	1,828	**12,687**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Total Jet Naphtha Exports
Total U.S.
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	5.8	6.6	5.5	1.8	0.7	0.4	0.1	0.0	0.0	0.0	0.4	0.2	1.8
1974	0.1	0.3	0.2	0.1	0.1	0.2	0.1	0.2	0.1	0.1	0.2	1.0	0.2
1975	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1976	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1977	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1978	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1979	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1980	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1981	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.8	0.0	0.7
1982	0.0	0.0	0.0	0.7	0.0	1.3	0.0	0.0	7.4	0.0	0.0	0.0	0.8
1983	0.0	0.0	0.0	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
1984	0.0	2.2	0.0	1.0	0.0	2.7	0.0	0.8	0.0	7.5	0.0	15.8	2.5
1985	0.8	0.0	0.3	0.0	0.0	0.0	0.0	1.6	2.5	2.6	5.9	3.2	1.4
1986	0.1	0.9	0.9	4.7	0.0	0.3	0.1	0.6	0.3	0.0	0.0	9.6	1.5
1987	~~2.1~~	0.0	0.8	0.0	0.5	0.0	0.0	2.0	0.8	0.0	1.8	3.9	1.0

Total Jet Naphtha Exports
Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	180	184	169	54	22	11	3	0	0	1	11	5	840
1974	4	7	5	4	4	5	3	5	3	4	5	31	80
1975	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	1	1
1979	0	0	0	1	0	0	0	0	0	0	0	0	1
1980	0	4	0	0	0	0	0	0	0	0	0	0	4
1981	0	0	0	0	0	0	1	0	0	0	234	0	235
1982	0	0	0	22	0	40	0	0	222	0	0	1	285
1983	0	0	1	200	0	0	0	0	0	0	0	0	201
1984	0	63	0	31	0	81	0	26	0	233	1	489	924
1985	25	0	10	0	0	0	0	51	75	82	178	100	521
1986	3	25	27	140	1	8	3	20	8	0	0	297	532
1987	64	1	25	0	14	0	0	61	24	1	53	120	383

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Total Jet Kerosine Exports
Total U.S.
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	1.1	0.8	0.9	5.7	3.6	4.3	3.4	1.0	1.9	3.2	3.1	1.5	**2.5**
1974	2.0	1.9	2.4	2.1	0.7	3.1	5.1	1.9	1.2	5.0	2.2	1.5	**2.4**
1975	1.9	2.2	1.4	1.3	2.2	1.3	2.2	1.7	1.5	1.4	1.4	1.6	**1.7**
1976	2.9	4.0	1.7	1.6	1.5	1.3	1.8	1.8	1.9	2.0	3.0	1.9	**2.1**
1977	1.5	1.9	1.8	3.9	2.1	1.4	0.6	0.6	1.7	1.5	1.2	1.6	**1.7**
1978	1.4	1.6	1.6	0.7	1.6	1.5	1.6	0.5	1.4	1.7	1.7	1.6	**1.4**
1979	0.6	0.7	0.7	0.7	0.6	0.5	0.5	0.7	0.5	0.2	0.7	1.1	**0.6**
1980	0.7	1.9	1.6	2.5	2.0	1.2	1.7	1.3	0.8	0.7	0.6	0.6	**1.3**
1981	0.9	0.8	0.3	0.6	0.5	0.4	0.6	0.7	0.7	0.5	0.8	7.2	**1.2**
1982	8.2	8.6	2.6	1.5	0.9	1.3	1.0	1.0	1.4	1.1	9.0	22.3	**4.9**
1983	8.8	8.0	0.9	0.6	1.3	0.7	1.2	6.2	9.0	0.8	12.4	14.6	**5.4**
1984	10.3	2.3	0.7	4.9	0.7	6.4	9.9	1.7	0.9	5.1	11.0	23.8	**6.5**
1985	2.5	22.3	5.9	5.0	4.7	3.4	3.4	21.3	4.4	24.9	28.3	18.0	**12.0**
1986	38.3	15.3	10.7	12.4	13.8	6.1	9.7	4.5	14.0	25.1	22.3	20.2	**16.0**
1987	45.3	20.2	6.9	4.0	3.8	4.9	4.5	2.4	34.3	35.0	44.5	73.8	**23.3**

Total Jet Kerosine Exports
Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	34	21	29	172	112	128	105	32	58	100	92	45	**928**
1974	62	53	74	63	22	93	157	60	37	155	67	46	**889**
1975	59	62	43	39	68	39	69	52	45	44	41	49	**610**
1976	89	115	52	48	45	39	56	55	56	63	89	59	**786**
1977	47	54	57	117	66	43	18	19	52	47	37	49	**606**
1978	42	44	50	20	51	46	50	16	42	52	50	50	**513**
1979	18	19	21	21	20	15	16	23	15	6	21	34	**229**
1980	21	55	49	76	62	35	52	40	24	23	18	19	**474**
1981	28	21	10	18	16	12	19	22	20	14	23	222	**425**
1982	255	245	80	44	27	38	32	32	41	35	269	692	**1,790**
1983	272	223	27	17	40	21	37	193	270	24	373	458	**1,955**
1984	318	68	21	148	22	191	306	52	27	158	329	738	**2,378**
1985	79	624	182	149	147	102	106	660	133	773	848	559	**4,362**
1986	1,188	429	333	371	428	184	300	138	420	778	668	626	**5,863**
1987	1,404	565	214	121	117	146	139	74	1,029	1,086	1,336	2,287	**8,518**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Total Kerosine Exports
Total U.S.
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	0.3	0.3	0.2	0.0	0.3	0.0	0.1	0.3	0.2	0.2	0.8	0.1	**0.2**
1974	0.1	0.0	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.1	**0.1**
1975	0.1	0.1	0.0	0.4	0.0	0.2	0.1	0.1	0.0	0.4	0.1	0.2	**0.1**
1976	0.3	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.3	0.1	0.0	0.1	**0.1**
1977	0.0	0.1	0.1	0.0	0.1	0.0	0.1	0.1	0.0	0.1	0.1	0.0	**0.1**
1978	0.1	0.0	0.1	0.3	0.2	0.0	0.1	0.1	0.1	0.0	0.3	0.0	**0.1**
1979	0.1	0.1	0.1	0.0	0.1	0.0	0.1	0.1	0.0	0.2	0.0	0.1	**0.1**
1980	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.4	0.1	0.2	0.0	**0.1**
1981	0.0	0.1	0.1	0.2	0.1	0.2	0.1	0.1	0.0	0.1	0.0	0.0	**0.1**
1982	8.1	0.0	0.0	0.7	0.0	0.2	0.0	0.1	1.0	0.0	0.0	0.0	**0.8**
1983	0.0	0.0	0.1	0.0	0.1	1.9	0.1	0.1	0.2	7.0	0.1	0.1	**0.8**
1984	0.1	0.0	0.0	0.1	0.2	0.2	0.1	0.1	0.2	0.1	0.2	0.3	**0.1**
1985	0.2	0.1	0.4	0.1	0.2	0.2	0.1	0.1	0.1	0.2	1.3	0.3	**0.3**
1986	1.2	0.3	0.5	0.7	0.2	1.1	0.3	0.4	0.5	7.9	0.3	8.1	**1.8**
1987	0.4	0.3	0.2	0.3	0.2	0.2	0.2	1.0	0.2	0.3	0.8	10.4	**1.2**

Total Kerosine Exports
Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	9	8	7	0	8	0	4	8	7	7	24	3	**85**
1974	3	0	3	5	7	2	4	2	3	4	0	3	**36**
1975	3	2	0	12	1	6	2	4	0	12	4	6	**52**
1976	9	1	4	2	2	1	4	4	8	2	0	3	**40**
1977	1	2	4	0	2	1	3	2	0	4	4	0	**23**
1978	2	1	4	8	6	1	2	2	2	1	10	1	**40**
1979	2	3	2	1	2	0	2	3	1	6	0	3	**25**
1980	1	1	1	2	1	0	4	0	11	3	7	1	**32**
1981	0	2	2	7	4	5	3	3	0	4	1	0	**31**
1982	251	1	1	20	1	5	1	2	30	1	1	1	**315**
1983	0	0	2	1	2	58	2	2	5	218	2	3	**295**
1984	2	1	1	3	5	6	2	4	6	3	5	8	**46**
1985	7	4	11	4	7	6	2	4	4	5	39	8	**101**
1986	36	7	14	21	7	34	9	11	16	246	9	251	**661**
1987	11	8	6	8	7	7	5	30	7	10	23	322	**444**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Total Distillate Fuel Oil Exports
Total U.S.
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	10.7	2.4	2.3	6.6	1.7	8.4	3.4	8.5	25.4	23.3	3.2	9.9	8.8
1974	4.0	3.9	6.6	1.4	0.9	1.1	2.7	0.5	1.4	0.5	1.8	3.4	2.3
1975	0.1	1.8	0.0	1.7	0.2	1.6	0.4	1.6	0.0	0.0	0.3	1.2	0.7
1976	0.2	0.8	1.1	0.5	0.7	0.9	0.5	4.0	1.3	0.9	1.4	1.4	1.1
1977	1.1	0.9	1.0	2.5	0.4	0.3	0.0	0.4	0.6	5.5	2.8	1.6	1.4
1978	0.6	15.7	0.1	5.5	0.6	0.1	4.3	4.3	2.4	2.1	3.3	1.5	3.4
1979	0.6	7.0	1.4	2.2	0.2	15.4	6.7	0.2	1.5	0.9	0.0	0.0	3.0
1980	6.8	8.2	18.5	2.4	0.6	0.0	2.8	0.[illegible]	0.1	0.2	0.1	0.1	3.3
1981	0.2	16.6	0.2	3.4	0.1	0.5	2.3	0.2	1.1	5.4	6.4	26.5	5.2
1982	90.1	89.7	84.1	64.0	74.7	55.0	23.8	40.1	138.5	65.9	23.8	143.1	74.4
1983	172.9	104.7	59.1	46.9	50.3	40.1	54.7	42.7	36.6	54.9	53.8	53.8	64.2
1984	40.3	41.5	65.7	32.0	48.3	53.0	40.2	74.4	21.8	47.1	23.8	120.1	50.7
1985	40.6	64.3	43.7	26.9	30.9	29.8	111.6	99.6	120.6	67.3	92.2	80.9	67.4
1986	125.5	176.0	130.6	127.9	149.5	52.9	75.4	64.2	98.0	73.7	72.2	55.4	100.1
1987	114.9	92.6	66.9	52.9	51.5	61.1	38.4	47.3	64.1	52.9	56.2	92.2	65.9

Total Distillate Fuel Oil Exports
Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	332	67	72	197	54	253	105	264	761	721	97	308	3,231
1974	125	108	204	41	27	34	84	17	41	15	55	104	855
1975	2	50	1	51	7	48	11	49	1	1	10	36	267
1976	7	24	35	15	21	26	15	125	38	28	43	44	421
1977	35	24	30	75	11	10	0	13	17	170	83	51	519
1978	20	440	3	166	19	4	134	133	72	64	99	48	1,202
1979	18	196	42	67	5	463	208	5	45	28	1	1	1,079
1980	212	239	575	73	18	1	87	1	3	7	2	2	1,220
1981	5	465	6	101	3	15	72	7	32	167	193	820	1,888
1982	2,793	2,511	2,607	1,919	2,315	1,650	738	1,242	4,155	2,042	715	4,436	27,123
1983	5,361	2,931	1,832	1,408	1,559	1,203	1,695	1,324	1,097	1,701	1,614	1,669	23,394
1984	1,248	1,203	2,036	959	1,498	1,589	1,245	2,305	655	1,460	715	3,724	18,637
1985	1,260	1,800	1,354	808	957	894	3,460	3,087	3,619	2,085	2,765	2,508	24,597
1986	3,891	4,927	4,049	3,836	4,634	1,587	2,337	1,989	2,940	2,285	2,165	1,716	38,358
1987	3,562	2,593	2,073	1,588	1,595	1,834	1,189	1,466	1,924	1,640	1,686	2,859	24,009

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Total Residual Fuel Oil Exports
Total U.S.
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	31.3	31.7	23.9	39.1	35.2	6.1	33.7	27.5	19.8	18.9	4.8	7.8	23.3
1974	9.4	11.3	9.2	15.6	11.5	14.5	6.9	30.1	15.0	16.4	8.0	15.0	13.8
1975	14.9	18.9	9.5	5.9	7.9	20.6	17.4	12.0	19.2	5.3	12.5	31.8	14.7
1976	13.4	29.8	10.1	17.7	10.1	7.0	10.7	7.9	8.4	4.9	15.5	3.7	11.6
1977	2.4	8.0	3.4	3.3	5.1	2.0	18.2	9.4	2.8	2.2	6.9	12.0	6.3
1978	12.8	9.6	22.0	6.5	16.2	3.9	9.9	24.9	12.1	7.9	6.4	19.1	12.6
1979	6.3	9.7	14.2	1.7	7.7	7.9	4.5	14.5	2.4	17.7	4.7	14.3	8.8
1980	4.8	17.3	2.0	39.8	19.9	13.7	60.0	1.6	21.4	69.8	88.2	62.4	33.4
1981	65.2	125.0	144.6	151.0	25.2	75.5	82.1	69.0	126.0	201.7	202.6	157.0	118.7
1982	235.0	213.3	197.2	233.7	190.8	217.2	238.9	234.8	148.4	233.8	182.5	186.2	209.3
1983	294.4	191.0	169.1	310.4	189.8	218.5	90.2	164.7	134.4	152.6	166.6	141.1	185.2
1984	151.5	87.4	203.9	129.5	200.1	175.8	98.7	260.2	214.3	174.1	285.9	298.7	190.0
1985	311.7	294.7	215.5	167.0	185.5	117.6	82.8	105.5	188.0	183.8	275.3	249.8	198.1
1986	210.8	183.1	112.7	202.3	128.9	42.6	90.5	174.4	110.5	144.2	142.9	224.1	147.2
1987	198.0	220.8	150.3	238.7	143.7	104.7	174.7	185.5	176.6	193.5	145.7	299.7	186.0

Total Residual Fuel Oil Exports
Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	970	888	741	1,172	1,091	183	1,046	852	593	585	145	241	8,507
1974	292	317	286	469	357	435	215	932	451	508	241	466	4,969
1975	463	528	295	178	246	619	540	371	577	164	376	985	5,342
1976	416	865	312	532	313	210	332	245	253	153	465	114	4,210
1977	75	225	105	99	159	59	564	290	83	67	206	373	2,305
1978	396	270	683	195	501	117	307	773	363	244	192	593	4,634
1979	195	271	440	51	239	237	141	448	72	548	140	444	3,226
1980	149	503	63	1,195	616	410	1,861	50	643	2,165	2,645	1,933	12,233
1981	2,020	3,499	4,484	4,529	781	2,266	2,546	2,138	3,781	6,253	6,079	4,868	43,244
1982	7,285	5,972	6,113	7,012	5,915	6,516	7,4[illegible]6	7,280	4,453	7,249	5,475	5,771	76,447
1983	9,125	5,348	5,241	9,311	5,883	6,555	2,795	5,107	4,032	4,732	4,998	4,374	67,501
1984	4,695	2,536	6,320	3,885	6,202	5,275	3,060	8,065	6,430	5,398	8,576	9,261	69,703
1985	9,663	8,252	6,681	5,010	5,750	3,528	2,566	3,271	5,639	5,697	8,260	7,743	72,060
1986	6,534	5,128	3,494	6,068	3,997	1,279	2,804	5,406	3,314	4,471	4,288	6,946	53,729
1987	6,138	6,181	4,659	7,160	4,454	3,140	5,417	5,750	5,298	6,000	4,371	9,292	67,860

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines. Energy Information Administration

Total Liquified Petroleum Gases and Ethane Exports
Total U.S.
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	28.8	40.7	35.8	26.6	25.1	23.5	25.4	26.5	25.5	24.5	22.8	23.3	**27.4**
1974	27.1	21.6	23.4	22.8	22.9	23.4	27.2	24.3	27.2	25.7	24.8	26.5	**24.7**
1975	29.8	30.3	31.9	29.0	25.3	22.2	23.0	23.9	23.6	24.8	21.8	26.5	**26.0**
1976	24.2	22.9	26.0	26.1	22.5	28.0	23.9	21.5	20.9	24.4	25.8	28.7	**24.8**
1977	28.5	18.8	18.6	19.9	14.1	11.9	19.7	15.9	14.3	16.3	16.6	18.3	**17.7**
1978	20.5	21.6	20.2	18.4	24.8	20.0	18.7	26.7	13.3	18.2	20.8	14.6	**19.8**
1979	11.9	15.9	30.8	12.9	10.7	11.3	9.8	12.2	9.3	13.5	17.6	21.9	**14.8**
1980	30.0	26.4	22.6	19.1	17.0	18.3	17.5	17.1	18.8	24.5	22.8	22.9	**21.4**
1981	21.2	20.7	20.1	25.6	19.1	23.7	17.4	149.5	20.5	75.8	58.5	49.8	**41.8**
1982	67.5	50.7	74.5	76.6	43.2	106.4	37.2	60.5	84.6	81.5	37.2	56.1	**64.7**
1983	118.2	75.6	127.0	116.2	84.4	58.6	54.5	29.2	86.3	31.8	32.7	66.3	**73.4**
1984	23.2	41.4	68.2	53.9	41.7	52.6	42.8	34.0	26.2	55.9	52.5	81.9	**47.9**
1985	70.0	71.5	51.8	78.3	40.1	50.7	67.8	80.0	29.2	47.0	88.3	74.7	**62.5**
1986	47.1	74.2	47.3	33.4	40.0	25.0	50.1	53.0	26.7	25.6	53.5	32.5	**42.4**
1987	43.5	37.6	51.5	36.2	33.8	22.0	30.0	32.6	55.6	22.9	34.6	56.4	**38.1**

Total Liquified Petroleum Gases and Ethane Exports
Total U.S.
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	892	1,139	1,109	797	777	705	788	820	766	758	683	721	**9,955**
1974	840	604	725	683	710	701	844	753	816	797	744	821	**9,038**
1975	925	847	989	870	784	667	713	741	708	768	654	822	**9,488**
1976	750	665	805	784	697	841	740	665	627	755	773	891	**8,993**
1977	885	526	578	598	437	357	612	493	429	504	497	567	**6,483**
1978	636	604	626	553	769	600	581	828	398	565	625	453	**7,238**
1979	370	446	954	388	331	338	304	378	279	419	527	680	**5,414**
1980	930	767	700	574	528	548	543	529	564	758	684	710	**7,835**
1981	656	580	622	768	591	711	540	4,633	616	2,349	1,754	1,544	**15,384**
1982	2,091	1,420	2,308	2,298	1,338	3,192	1,154	1,876	2,538	2,526	1,115	1,740	**23,596**
1983	3,663	2,117	3,936	3,487	2,616	1,759	1,691	905	2,589	987	980	2,056	**26,788**
1984	719	1,202	2,115	1,616	1,292	1,579	1,326	1,053	786	1,734	1,574	2,540	**17,536**
1985	2,169	2,003	1,605	2,350	1,242	1,521	2,103	2,480	876	1,457	2,649	2,317	**22,772**
1986	1,459	2,078	1,466	1,001	1,240	751	1,552	1,642	802	793	1,604	1,009	**15,397**
1987	1,348	1,054	1,598	1,085	1,049	660	929	1,012	1,668	711	1,039	1,749	**13,902**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Crude Oil and Natural Gas Liquids Exports
Thousands of barrels per day

	Australia	Canada	Denmark	France	Italy	Netherlands	Norway	United Kingdom	United States	West Germany	Other OECD	Total OECD
1981	13.5	257.5	4.8	0.0	11.1	1.1	380.6	1,057.2	71.2	0.0	52.3	1,849.4
1982	0.7	334.6	15.3	0.0	11.1	0.8	389.9	1,249.0	76.3	1.3	33.2	2,112.2
1983	2.3	377.5	22.9	0.0	5.2	5.8	508.2	1,413.3	64.6	0.1	7.6	2,407.4
1984	43.2	451.3	18.4	0.0	2.5	9.4	587.7	1,624.9	47.7	0.1	26.5	2,811.8
1985	87.7	579.1	21.8	2.1	16.5	39.7	644.3	1,681.4	61.1	0.0	26.2	3,160.0
1986	72.1	634.3	18.8	2.3	24.9	26.9	728.3	1,774.0	45.1	0.0	71.2	3,397.8
1987	100.4	650.4	37.3	3.5	35.8	18.8	848.0	1,689.9	44.5	0.0	50.7	3,479.4

Refined Product Exports
Thousands of barrels per day

	Australia	Canada	Denmark	France	Italy	Netherlands	Norway	United Kingdom	United States	West Germany	Other OECD	Total OECD
1981	51.7	129.5	26.0	335.4	311.5	885.2	54.5	270.3	357.2	161.0	781.5	3,363.9
1982	94.7	94.2	23.5	260.2	305.1	1,009.8	55.0	277.9	652.1	175.6	831.6	3,779.7
1983	96.1	139.0	39.3	236.9	273.2	1,104.0	54.4	293.1	632.9	163.6	906.6	3,939.2
1984	84.7	142.2	48.0	229.9	225.7	1,131.1	55.3	275.3	621.0	153.6	969.2	3,938.1
1985	70.2	168.9	42.7	254.6	230.3	1,106.8	57.3	326.3	648.0	143.1	917.6	3,985.8
1986	71.8	150.8	53.5	246.4	327.4	1,201.1	51.2	332.6	732.9	107.3	1,138.3	4,413.3
1987	70.9	175.0	52.0	212.8	281.9	1,224.0	83.3	323.5	746.7	65.2	1,208.6	4,443.9

Note: Data are converted from IEA figures in thousands of tonnes. U.S. data differs from figures reported elsewhere in this publication due to data conversion, difference in source and timing of data reporting.

Data from Oil & Gas Journal Energy Database.
Source: International Energy Agency

Crude & Product Exports
Total OECD
Thousands of barrels per day

	Crude Oil and NGL	Total Refined Products	Total Gasoline	Gas Oil/ Diesel Oil	Heavy (Residual) Fuel Oil	Other Refined Products
1981						
1st Qtr.	1,884.9	3,310.6	529.6	871.8	737.9	1,171.3
2nd Qtr.	1,699.2	3,161.9	510.5	775.0	654.4	1,222.1
3rd Qtr.	1,894.6	3,396.5	550.3	828.6	753.4	1,264.3
4th Qtr.	1,918.9	3,586.5	493.0	919.9	861.5	1,312.1
1982						
1st Qtr.	1,923.3	3,689.4	495.7	963.3	972.1	1,258.3
2nd Qtr.	2,103.8	3,605.8	573.5	831.4	818.4	1,382.5
3rd Qtr.	2,217.0	3,835.3	584.7	888.2	890.2	1,472.3
4th Qtr.	2,204.7	3,988.3	571.8	934.9	974.8	1,506.8
1983						
1st Qtr.	2,237.4	4,0[illegible]3.5	578.0	1,040.8	919.7	1,505.0
2nd Qtr.	2,373.3	4,033.2	680.8	947.2	872.3	1,532.8
3rd Qtr.	2,412.1	3,877.7	611.6	901.0	919.1	1,446.1
4th Qtr.	2,606.7	3,802.2	554.7	896.8	927.0	1,423.6
1984						
1st Qtr.	2,819.6	3,850.0	637.1	909.0	850.9	1,453.0
2nd Qtr.	2,565.3	3,997.3	679.4	913.6	860.0	1,544.3
3rd Qtr.	2,684.1	3,731.0	603.9	896.4	880.4	1,350.4
4th Qtr.	3,177.5	4,166.1	558.0	872.3	1,176.8	1,559.0
1985						
1st Qtr.	3,229.8	3,935.0	588.0	858.7	1,062.1	1,426.1
2nd Qtr.	3,048.6	3,707.1	772.1	771.0	780.8	1,383.1
3rd Qtr.	2,981.8	4,106.3	703.1	1,034.0	847.4	1,521.7
4th Qtr.	3,403.8	4,114.7	681.9	969.8	952.3	1,510.7
1986						
1st Qtr.	3,459.2	4,174.9	648.6	1,211.7	867.3	1,447.3
2nd Qtr.	2,954.1	4,729.6	803.6	1,332.9	920.2	1,672.9
3rd Qtr.	3,388.7	4,644.6	815.7	1,099.7	1,037.4	1,691.8
4th Qtr.	3,721.4	4,333.8	807.7	879.6	947.1	1,699.4
1987						
1st Qtr.	3,618.1	4,361.5	761.7	1,142.9	880.7	1,576.3
2nd Qtr.	3,417.5	4,223.8	784.2	956.6	856.5	1,626.5
3rd Qtr.	3,329.9	4,429.6	794.8	1,023.7	951.7	1,659.5
4th Qtr.	3,580.4	4,793.9	847.7	1,121.7	1,072.5	1,752.0

Data from Oil & Gas Journal Energy Database.
Source: International Energy Agency

OPEC Crude Oil Exports
By Country
Thousands of barrels per day

	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975
Algeria	546.3	674.7	768.1	867.1	883.0	974.3	687.6	996.8	993.2	895.0	877.5
Ecuador	1.0	1.8	0.0	0.8	1.2	0.6	0.7	68.8	195.1	164.1	145.8
Gabon	24.7	28.5	66.8	77.0	84.2	83.9	96.0	105.0	119.2	180.7	205.3
Indonesia	265.9	260.0	308.8	397.5	516.8	625.4	656.4	817.2	1,012.4	1,036.6	994.7
Iran	1,462.1	1,965.7	2,146.0	2,347.3	2,847.4	3,309.3	3,979.0	4,498.4	5,276.8	5,369.2	4,671.0
Iraq	1,252.9	1,319.5	1,172.1	1,429.2	1,445.4	1,495.8	1,618.9	1,436.1	1,925.8	1,849.0	2,058.8
Kuwait	2,035.3	2,181.8	2,202.2	2,307.0	2,441.7	2,579.9	2,775.2	2,925.0	2,641.6	2,203.2	1,803.4
Libya	1,212.7	1,499.6	1,717.3	2,582.4	3,069.5	3,312.1	2,747.4	2,214.2	2,174.5	1,490.3	1,431.1
Nigeria	270.1	383.9	298.8	135.7	542.2	1,050.8	1,486.4	1,756.1	1,978.1	2,179.4	1,713.3
Qatar	226.7	291.0	319.7	339.0	353.0	362.8	428.6	481.7	570.3	511.2	428.3
Saudi Arabia	1,858.6	2,276.6	2,429.6	2,643.4	2,794.7	3,216.9	4,186.8	5,444.1	7,014.6	7,922.4	6,601.1
United Arab Emirates	280.2	361.4	381.0	495.4	624.9	777.0	1,054.8	1,202.7	1,522.1	1,689.5	1,661.4
Venezuela	2,331.8	2,263.2	2,429.1	2,454.9	2,476.0	2,434.6	2,313.9	2,132.4	2,123.5	1,768.3	1,472.2
Total OPEC	**11,768.3**	**13,507.7**	**14,239.5**	**16,076.7**	**18,080.0**	**20,223.4**	**22,031.7**	**24,078.5**	**27,547.2**	**27,258.9**	**24,063.9**

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Algeria	944.4	1,034.5	1,002.8	960.4	715.5	521.8	228.9	260.4	181.6	175.3	167.6
Ecuador	167.6	138.2	122.7	122.6	110.2	105.5	90.1	126.3	147.1	168.9	173.5
Gabon	196.2	180.2	173.5	164.8	151.2	124.9	130.3	136.4	139.2	163.5	150.1
Indonesia	1,227.4	1,325.7	1,268.2	1,077.7	988.0	992.5	818.6	858.3	876.3	705.7	793.8
Iran	5,213.7	4,867.4	4,447.1	2,407.0	796.7	714.6	1,623.2	1,718.7	1,521.8	1,568.3	1,454.0
Iraq	2,241.1	2,167.4	2,384.4	3,275.3	2,459.0	746.1	811.4	725.4	856.0	1,085.4	1,372.0
Kuwait	1,790.9	1,624.8	1,761.2	2,083.1	1,296.5	813.8	368.8	544.4	658.0	475.9	741.9
Libya	1,846.6	1,943.0	1,854.8	1,966.0	1,693.0	1,062.5	974.0	937.4	929.6	894.6	1,067.0
Nigeria	2,013.2	2,030.2	1,827.1	2,210.1	1,960.2	1,228.4	1,002.8	935.2	1,094.1	1,333.3	1,221.2
Qatar	486.6	410.3	480.0	494.9	465.7	391.0	322.8	268.3	356.8	285.3	292.0
Saudi Arabia	8,031.8	8,608.4	7,706.0	8,817.7	9,223.2	9,017.9	5,639.4	3,920.8	3,186.9	2,251.3	3,745.2
United Arab Emirates	1,932.8	1,990.0	1,816.3	1,805.3	1,697.3	1,439.0	1,167.0	1,077.3	1,036.7	977.7	1,132.0
Venezuela	1,370.3	1,321.0	1,244.6	1,408.3	1,287.2	1,266.0	1,057.9	976.7	998.9	825.9	882.3
Total OPEC	**27,462.6**	**27,641.1**	**26,088.7**	**26,793.2**	**22,843.7**	**18,424.0**	**14,235.2**	**12,485.6**	**11,983.0**	**10,911.1**	**13,192.6**

Data from Oil & Gas Journal Energy Database.
Source: OPEC Secretariat

OPEC Refined Product Exports
By Country
Thousands of barrels per day

	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975
Algeria	14.0	1.6	5.1	12.1	9.5	11.2	5.8	10.0	35.5	41.6	62.1
Ecuador	NA	NA	NA	NA	NA	0.1	0.9	1.5	2.0	0.9	0.3
Gabon	NA	NA	NA	NA	10.1	11.3	12.4	12.6	13.3	9.1	6.6
Indonesia	82.9	86.9	79.5	75.4	92.5	99.3	92.2	125.6	154.9	123.7	100.4
Iran	215.1	220.0	202.3	209.4	217.5	209.6	194.4	176.8	147.2	163.1	215.1
Iraq	0.7	0.7	0.7	0.0	4.9	3.1	3.5	0.4	7.5	21.3	37.5
Kuwait	223.7	238.7	219.8	215.0	190.1	251.0	234.2	210.5	205.7	192.5	140.5
Libya	NA	NA	NA	NA	1.4	0.8	0.0	0.4	35.0	27.8	47.2
Nigeria	1.7	4.7	2.1	1.2	2.5	4.6	8.5	2.5	15.0	3.7	5.3
Qatar	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Saudi Arabia	179.0	155.7	225.8	290.7	219.4	347.0	294.2	319.5	331.7	321.5	330.7
United Arab Emirates	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Venezuela	920.8	918.5	932.2	913.6	934.8	1,035.0	968.4	932.5	1,026.6	983.6	614.0
Total OPEC	**1,637.9**	**1,626.8**	**1,667.5**	**1,717.4**	**1,682.7**	**1,973.0**	**1,814.5**	**1,792.3**	**1,974.4**	**1,888.8**	**1,559.7**

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Algeria	40.8	30.5	77.9	69.2	148.1	201.8	404.3	291.6	399.9	362.0	412.9
Ecuador	0.9	0.9	18.1	20.2	24.2	17.3	15.3	11.0	17.6	13.3	18.3
Gabon	22.0	13.3	22.5	14.3	10.5	13.5	13.2	11.1	6.3	4.2	3.0
Indonesia	99.1	147.2	124.0	146.9	162.6	155.8	121.1	130.2	191.9	149.8	159.3
Iran	116.0	118.9	127.5	235.0	141.0	140.0	181.0	57.0	56.7	39.4	10.0
Iraq	39.3	35.7	33.1	34.1	35.0	53.9	50.0	61.3	61.0	70.0	93.5
Kuwait	336.9	313.3	327.1	423.6	343.4	280.8	370.4	414.3	394.9	492.9	510.9
Libya	53.0	91.2	99.2	84.6	72.5	62.1	78.0	78.7	76.8	90.9	101.9
Nigeria	11.3	13.9	3.8	24.0	74.6	43.4	10.9	16.3	20.0	20.0	8.8
Qatar	NA	NA	NA	6.7	1.8	13.2	11.6	16.8	23.7	17.4	21.4
Saudi Arabia	390.0	341.4	357.5	375.6	406.9	482.4	505.1	383.6	445.6	416.9	515.6
United Arab Emirates	NA	2.8	7.9	13.0	19.6	37.7	45.7	60.7	97.7	92.1	111.6
Venezuela	761.6	642.9	697.6	685.2	564.6	476.2	467.2	507.6	502.3	530.7	566.8
Total OPEC	**1,870.9**	**1,752.0**	**1,896.2**	**2,132.4**	**2,004.8**	**1,978.1**	**2,273.8**	**2,040.2**	**2,294.4**	**2,299.8**	**2,534.0**

Data from Oil & Gas Journal Energy Database.
Source: OPEC Secretariat

Worldwide Trade Movements of Crude Oil and Products
Thousands of barrels per day

	1974	1975	1976	1977	1978	1979	1980
Imports							
United States	6,125	6,025	7,290	8,710	8,225	8,410	6,735
Western Europe	14,840	12,610	13,725	13,295	13,090	13,080	11,825
Japan	5,430	4,945	5,320	5,510	5,335	5,605	4,985
Rest of World	6,935	6,755	7,965	7,240	7,400	8,255	8,390
Total World	**33,330**	**30,335**	**34,300**	**34,755**	**34,050**	**35,350**	**31,935**
Exports							
United States	220	210	220	250	365	485	555
Canada	1,045	800	600	540	445	455	445
Latin America	3,490	3,175	3,310	3,115	3,400	3,645	3,885
Middle East	20,050	18,505	20,855	20,730	19,730	20,435	17,510
North Africa	2,625	2,405	3,070	3,295	3,370	3,425	2,820
West Africa	2,545	1,975	2,230	2,370	2,115	2,645	2,475
South East Asia	1,400	1,455	1,765	1,915	1,790	1,915	1,705
USSR, E. Europe & China	1,400	1,470	1,815	1,975	2,200	1,740	2,005
Rest of World	555	340	435	565	635	605	535
Total World	**33,330**	**30,335**	**34,300**	**34,755**	**34,050**	**35,350**	**31,935**

	1981	1982	1983	1984	1985	1986	1987
Imports							
United States	5,950	5,040	4,990	5,380	5,065	6,045	6,245
Western Europe	10,245	9,350	8,665	8,595	8,365	8,860	7,905
Japan	4,460	4,155	4,145	4,305	4,045	4,140	4,125
Rest of World	8,000	7,020	6,555	6,470	6,645	7,220	6,315
Total World	**28,655**	**25,565**	**24,355**	**24,750**	**24,120**	**26,265**	**24,590**
Exports							
United States	605	815	740	720	780	765	745
Canada	455	485	545	655	685	675	630
Latin America	4,380	4,135	4,065	4,100	3,565	3,600	3,035
Middle East	14,605	11,660	10,355	9,845	9,340	10,880	10,315
North Africa	2,175	2,145	2,180	2,290	2,415	2,515	2,435
West Africa	1,730	1,500	1,425	1,670	1,765	1,980	1,880
South East Asia	1,660	1,480	1,400	1,600	1,555	1,550	1,355
USSR, E. Europe & China	2,195	2,245	2,655	2,865	2,920	3,020	2,910
Rest of World	850	1,100	990	1,005	1,095	1,280	1,285
Total World	**28,655**	**25,565**	**24,355**	**24,750**	**24,120**	**26,265**	**24,590**

Data from Oil & Gas Journal Energy Database.
Source: British Petroleum

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Total Demand for All Products
Total U.S.
Thousands of barrels per day

	Finished Motor Gasoline	Naphtha Jet Fuel*	Kerosine Jet Fuel	Kerosine	Distillate Fuel Oil	Residual Fuel Oil	Other Products+	All Products
1919	242.9	NA	NA	90.9	NA	NA	692.2	1,026.0
1920	297.7	NA	NA	90.4	NA	NA	857.0	1,245.0
1921	320.1	NA	NA	80.9	NA	NA	853.0	1,254.0
1922	377.5	NA	NA	95.5	NA	NA	982.1	1,455.0
1923	478.0	NA	NA	97.4	NA	NA	1,211.7	1,787.0
1924	537.1	NA	NA	100.3	NA	NA	1,240.6	1,878.0
1925	637.7	NA	NA	109.5	NA	NA	1,244.8	1,992.0
1926	734.6	NA	NA	104.5	NA	NA	1,299.9	2,139.0
1927	836.6	NA	NA	102.7	NA	NA	1,261.7	2,201.0
1928	925.9	NA	NA	99.0	NA	NA	1,325.1	2,350.0
1929	1,049.0	NA	NA	98.7	NA	NA	1,429.3	2,577.0
1930	1,089.3	NA	NA	95.2	NA	NA	1,354.5	2,539.0
1931	1,106.4	NA	NA	85.7	NA	NA	1,280.8	2,473.0
1932	1,032.2	NA	NA	90.8	177.9	664.1	317.1	2,282.0
1933	1,042.5	NA	NA	105.5	177.4	709.5	344.2	2,379.0
1934	1,124.2	NA	NA	121.2	205.0	727.5	342.1	2,520.0
1935	1,191.3	NA	NA	130.5	235.7	769.0	367.5	2,694.0
1936	1,315.9	NA	NA	140.5	280.8	841.2	406.7	2,985.0
1937	1,422.9	NA	NA	150.6	320.1	891.8	417.6	3,203.0
1938	1,432.9	NA	NA	154.4	321.8	799.5	405.4	3,114.0
1939	1,521.9	NA	NA	165.8	369.8	886.3	427.2	3,371.0
1940	1,610.6	NA	NA	187.9	439.5	929.4	457.6	3,625.0
1941	1,828.8	NA	NA	190.3	473.5	1,050.5	527.9	4,071.0
1942	1,614.0	NA	NA	191.1	508.7	1,111.5	546.7	3,972.0
1943	1,556.8	NA	NA	187.9	570.2	1,279.5	573.6	4,168.0
1944	1,728.1	NA	NA	196.2	571.9	1,399.0	670.8	4,566.0
1945	1,907.8	NA	NA	207.1	619.4	1,434.0	688.7	4,857.0
1946	2,014.8	NA	NA	244.1	665.5	1,315.2	672.5	4,912.0
1947	2,178.1	NA	NA	280.9	817.2	1,420.6	755.2	5,452.0
1948	2,380.5	NA	NA	306.6	832.2	1,367.6	888.1	5,775.0
1949	2,503.3	NA	NA	281.3	902.1	1,359.0	757.3	5,803.0
1950	2,724.1	NA	NA	322.9	1,081.9	1,517.2	860.9	6,507.0
1951	2,985.1	NA	NA	337.7	1,225.4	1,546.3	946.5	7,041.0
1952	3,122.9	55.0	NA	340.8	1,303.2	1,521.0	937.1	7,280.0
1953	3,303.5	94.5	NA	313.6	1,337.2	1,535.6	1,019.7	7,604.0
1954	3,368.5	128.6	NA	324.1	1,442.1	1,431.0	1,065.7	7,760.0
1955	3,643.3	166.3	NA	320.0	1,592.1	1,526.2	1,212.1	8,460.0

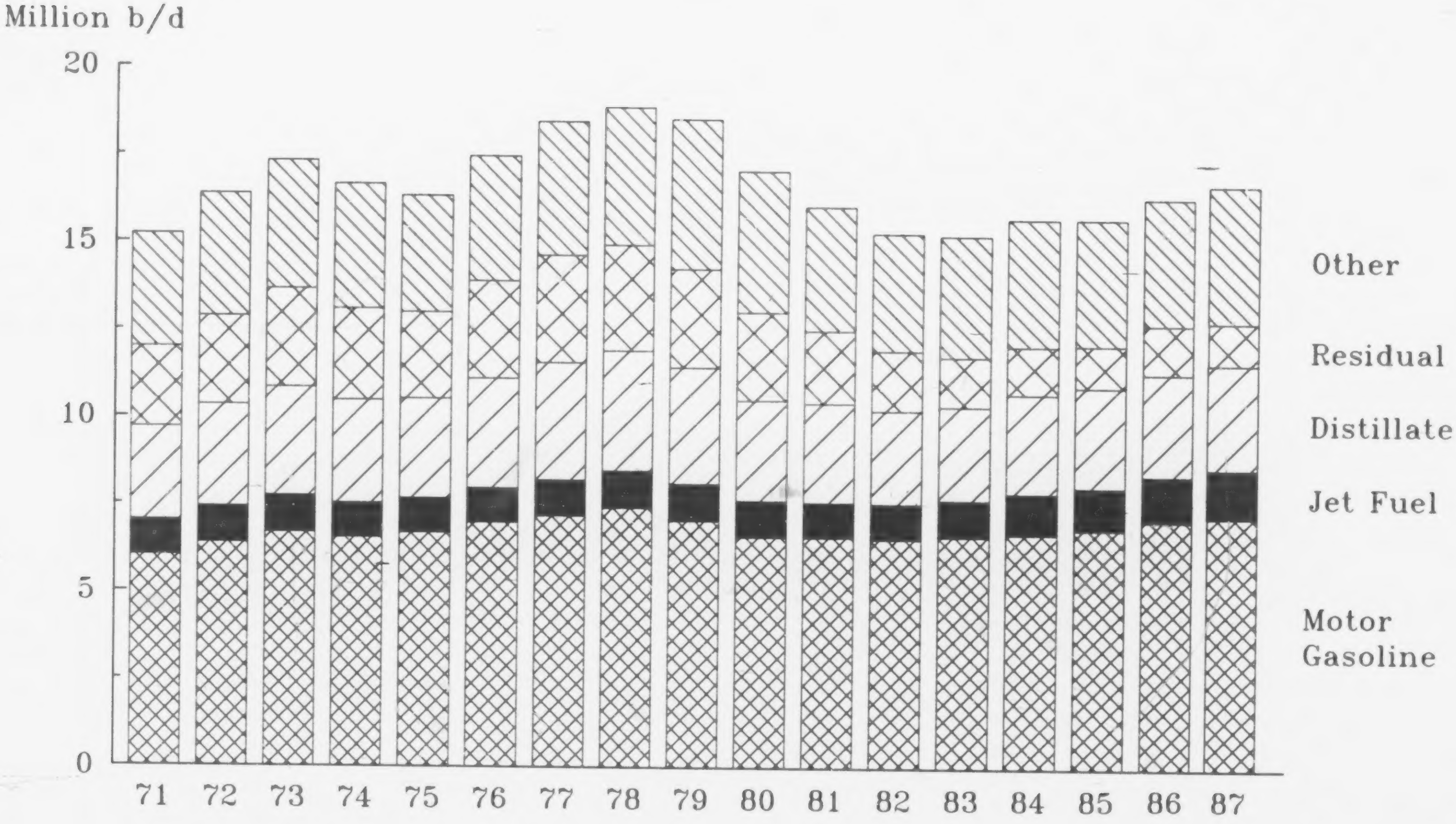
Total Demand for All Products
Total U.S.
Thousands of barrels per day

	Finished Motor Gasoline	Naphtha Jet Fuel*	Kerosine Jet Fuel	Kerosine	Distillate Fuel Oil	Residual Fuel Oil	Other Products+	All Products
1956	3,751.6	197.1	NA	320.6	1,682.7	1,537.7	1,289.3	**8,779.0**
1957	3,816.3	199.9	NA	295.1	1,687.9	1,503.6	1,315.2	**8,818.0**
1958	3,934.0	258.0	NA	310.4	1,790.2	1,455.0	1,335.5	**9,083.0**
1959	4,069.3	285.6	NA	301.2	1,808.2	1,543.7	1,443.1	**9,451.0**
1960	4,130.3	280.9	NA	362.0	1,872.3	1,528.5	1,487.0	**9,661.0**
1961	4,200.5	286.1	NA	395.7	1,902.4	1,503.2	1,518.1	**9,806.0**
1962	4,341.6	307.9	NA	449.8	2,006.6	1,495.4	1,632.7	**10,234.0**
1963	4,471.5	315.7	NA	471.8	2,047.3	1,476.5	1,768.2	**10,551.0**
1964	4,402.6	324.0	NA	487.5	2,050.3	1,515.3	2,036.4	**10,816.0**
1965	4,592.6	268.0	334.0	267.4	2,125.5	1,608.3	2,107.3	**11,303.0**
1966	4,808.0	278.5	391.0	277.0	2,184.6	1,716.3	2,194.6	**11,850.0**
1967	4,958.3	305.6	518.0	274.2	2,241.5	1,786.0	2,193.4	**12,277.0**
1968	5,260.6	345.8	609.0	281.7	2,357.1	1,857.6	2,405.2	**13,117.0**
1969	5,526.0	297.0	694.0	275.0	2,466.5	1,977.9	2,900.7	**14,137.0**
1970	5,784.5	249.0	718.0	262.9	2,540.3	2,203.5	2,938.9	**14,697.2**
1971	6,014.4	260.0	751.0	249.1	2,661.1	2,296.0	2,980.8	**15,212.5**
1972	6,376.4	242.0	803.0	234.6	2,912.9	2,529.1	3,269.0	**16,367.0**
1973	6,674.4	217.0	842.0	216.2	3,092.4	2,822.4	3,443.3	**17,307.7**
1974	6,537.5	222.0	771.0	176.3	2,947.7	2,639.0	3,359.3	**16,652.7**
1975	6,674.6	209.0	791.0	158.9	2,850.9	2,461.8	3,175.8	**16,322.0**
1976	6,977.7	199.0	789.0	169.2	3,133.1	2,801.0	3,392.2	**17,461.1**
1977	7,176.8	208.0	831.0	175.2	3,351.6	3,071.0	3,617.7	**18,431.4**
1978	7,411.8	199.0	858.0	175.5	3,431.7	3,022.6	3,748.1	**18,846.6**
1979	7,034.5	200.0	876.0	187.9	3,314.3	2,826.2	4,077.2	**18,516.0**
1980	6,578.5	217.0	851.0	158.4	2,866.1	2,508.3	3,876.6	**17,055.9**
1981	6,587.5	198.0	809.0	126.9	2,828.7	2,087.8	3,419.8	**16,057.7**
1982	6,539.2	209.0	804.0	128.7	2,670.9	1,716.5	3,227.5	**15,295.7**
1983	6,622.2	207.0	839.0	127.0	2,690.2	1,420.8	3,325.0	**15,231.1**
1984	6,710.9	223.0	953.0	115.3	2,852.7	1,373.2	3,540.8	**15,768.7**
1985	6,831.1	213.7	1,004.6	113.9	2,868.0	1,202.3	3,492.7	**15,726.4**
1986	7,034.1	202.3	1,105.1	98.3	2,914.4	1,418.4	3,508.2	**16,280.8**
1987	7,205.7	204.2	1,180.8	94.6	2,976.5	1,264.4	3,738.9	**16,665.0**

* Prior to 1965, may include some kerosine-type jet fuel.
+ A balancing item. Includes products shown as Not Available.

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

U.S. Domestic Demand



Source: EIA

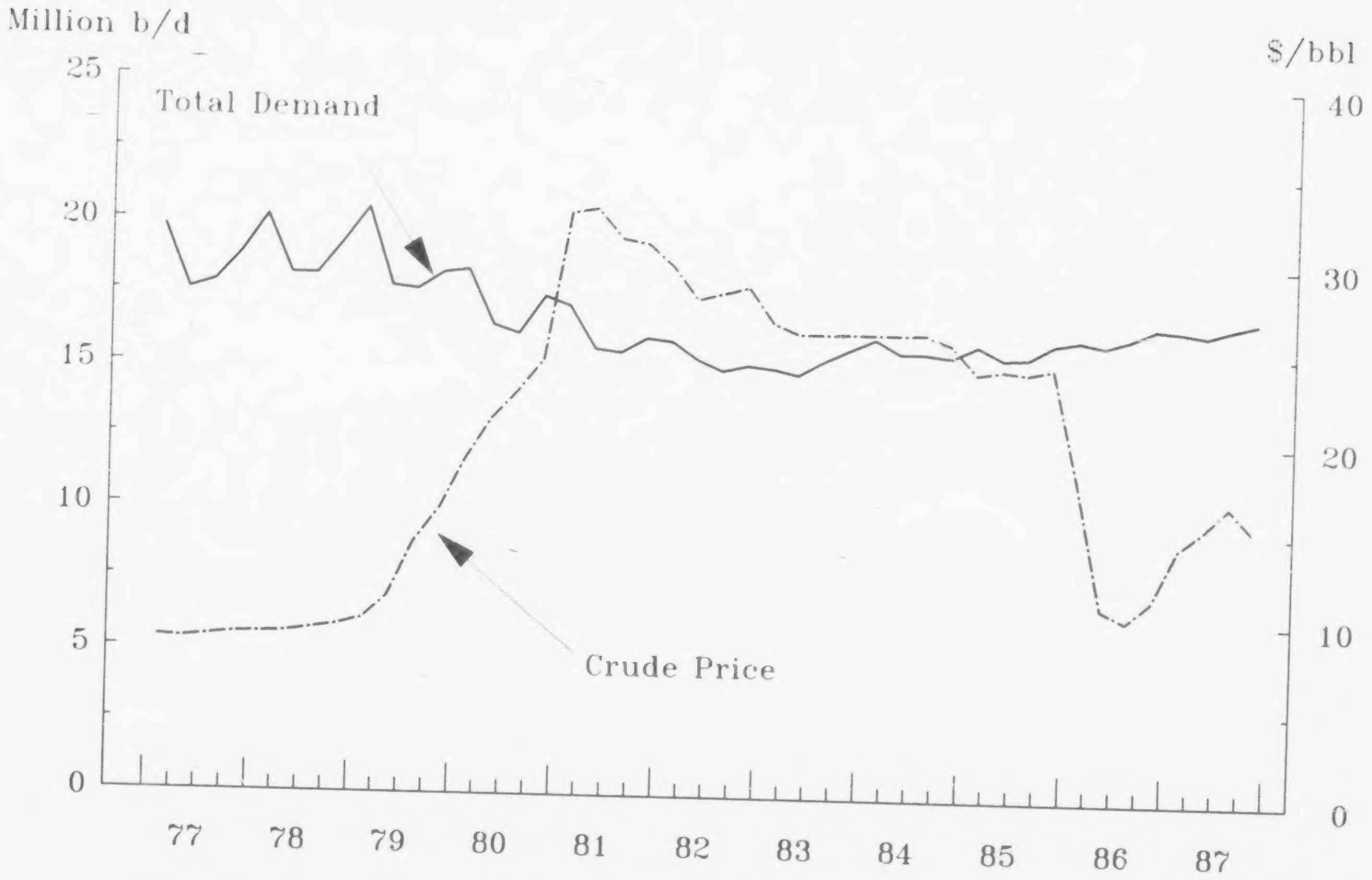
Total Petroleum Products Demand by Sector
Millions of barrels

	Residential	Commercial	Industrial	Transportation	Electric Utilities	Total
1960	417	210	991	1,879	88	3,586
1961	429	213	994	1,916	89	3,641
1962	450	219	1,037	2,000	89	3,796
1963	456	217	1,082	2,073	93	3,921
1964	442	215	1,144	2,133	101	4,034
1965	461	238	1,187	2,201	115	4,202
1966	461	246	1,246	2,316	141	4,411
1967	483	255	1,258	2,427	161	4,585
1968	509	260	1,314	2,629	189	4,902
1969	525	263	1,379	2,741	251	5,160
1970	528	269	1,394	2,835	339	5,364
1971	533	262	1,409	2,949	399	5,553
1972	558	267	1,538	3,131	497	5,990
1973	543	272	1,637	3,302	563	6,317
1974	495	248	1,571	3,225	539	6,078
1975	481	230	1,475	3,266	506	5,958
1976	522	255	1,630	3,428	556	6,391
1977	517	264	1,763	3,560	624	6,727
1978	503	254	1,783	3,702	638	6,879
1979	399	231	1,952	3,650	525	6,757
1980	333	222	1,772	3,494	421	6,242
1981	297	190	1,563	3,460	352	5,861
1982	279	175	1,482	3,396	251	5,583
1983	271	201	1,407	3,433	247	5,559
1984	286	206	1,500	3,558	206	5,756
1985	309	185	1,463	3,608	175	5,740
1986	302	189	1,487	3,732	232	5,942

Note: May not add to totals due to independent rounding.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Total Demand and Crude Oil Price



Source: EIA

Total Demand for All Products
Total U.S.
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	18,712.7	19,094.1	17,216.2	15,920.5	16,625.8	16,481.3	16,372.4	17,498.8	16,656.3	17,202.2	18,492.0	17,538.4	**17,317.6**
1974	17,285.9	17,365.7	16,103.7	15,928.5	15,725.7	16,117.1	16,348.7	16,549.7	16,023.8	17,050.0	17,351.3	18,013.0	**16,655.3**
1975	18,003.9	17,084.4	16,315.4	16,048.3	15,155.3	15,610.0	15,739.9	15,806.3	15,767.8	16,376.6	15,777.2	18,185.0	**16,322.5**
1976	18,646.9	17,509.3	17,302.0	16,671.5	15,977.4	16,824.6	16,606.7	16,642.0	16,836.8	17,090.4	18,846.9	20,559.9	**17,459.5**
1977	20,504.3	20,481.8	18,123.7	17,579.7	16,972.3	18,043.3	17,567.9	18,011.9	17,714.4	17,824.1	18,437.3	20,051.7	**18,442.7**
1978	19,752.3	20,900.0	19,652.0	17,747.1	18,230.4	18,259.7	17,633.3	18,638.7	17,953.5	18,417.5	19,156.2	19,944.3	**18,857.1**
1979	20,585.6	21,288.0	19,321.7	17,434.0	17,800.6	17,785.6	17,143.9	18,148.8	17,399.8	18,175.8	18,355.1	18,921.8	**18,530.1**
1980	18,851.5	18,817.2	17,376.9	16,784.5	16,237.7	16,187.0	16,007.8	15,752.9	16,598.4	16,994.7	16,702.0	18,410.4	**17,060.1**
1981	18,429.7	16,988.9	15,906.8	15,349.7	15,353.0	16,094.6	15,682.4	15,262.7	15,654.6	15,821.7	15,592.7	16,596.2	**16,061.1**
1982	16,124.0	16,001.4	15,560.5	16,046.3	14,846.6	14,998.1	14,820.6	14,839.3	15,021.9	14,858.6	15,009.1	15,487.2	**15,301.1**
1983	14,722.3	14,791.9	15,540.5	14,692.1	14,504.7	15,288.8	15,018.8	15,480.1	15,505.9	14,962.3	15,499.8	16,725.9	**15,227.8**
1984	16,800.8	15,437.2	16,050.0	15,568.2	15,619.9	15,708.7	15,497.7	16,116.5	15,247.4	15,616.5	15,626.6	15,375.1	**15,722.0**
1985	16,109.2	16,121.3	15,372.6	15,471.7	15,503.6	15,482.9	15,433.7	16,060.1	15,099.0	15,943.5	15,502.8	16,611.3	**15,726.0**
1986	16,088.0	16,186.0	16,276.3	15,944.6	15,993.2	16,049.4	16,306.9	16,618.3	15,909.0	16,602.4	16,221.1	17,131.0	**16,277.2**
1987	16,684.2	16,908.0	16,164.8	16,523.5	16,026.0	16,829.7	17,113.0	16,346.5	16,669.9	16,941.1	16,343.0	17,444.8	**16,666.2**

Total Demand for All Products
Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	580,092	534,636	533,703	477,616	515,400	494,440	507,544	542,464	499,689	533,269	554,761	543,689	**6,317,303**
1974	535,862	486,240	499,215	477,855	487,496	483,514	506,811	513,041	480,714	528,551	520,538	558,402	**6,078,239**
1975	558,121	478,362	505,776	481,449	469,813	468,301	487,936	489,995	473,035	507,675	473,317	563,735	**5,957,515**
1976	578,054	507,769	536,362	500,146	495,299	504,737	514,809	515,903	505,104	529,801	565,408	637,358	**6,390,750**
1977	635,634	573,491	561,836	527,390	526,142	541,300	544,605	558,368	531,432	552,547	553,120	621,603	**6,727,468**
1978	612,321	585,201	609,213	532,413	565,141	547,792	546,633	577,798	538,605	570,942	574,686	618,272	**6,879,017**
1979	638,153	596,063	598,971	523,021	551,819	533,569	531,462	562,612	521,994	563,450	550,652	586,576	**6,758,342**
1980	584,396	545,699	538,684	503,534	503,370	485,610	496,242	488,339	497,952	526,836	501,061	570,722	**6,242,445**
1981	571,321	475,689	493,111	460,490	475,943	482,838	486,154	473,143	469,637	490,471	467,780	514,481	**5,861,058**
1982	499,843	448,039	482,375	481,389	460,244	449,944	459,437	460,018	450,658	460,615	450,272	480,104	**5,582,938**
1983	456,390	414,173	481,756	440,764	449,646	458,664	465,584	479,884	465,176	463,830	464,995	518,504	**5,559,366**
1984	520,825	447,678	497,551	467,046	484,217	471,260	480,430	499,611	457,421	484,110	468,797	476,629	**5,755,575**
1985	499,385	451,396	476,552	464,151	480,611	464,487	478,444	497,862	452,970	494,249	465,083	514,951	**5,740,141**
1986	498,728	453,209	504,565	478,339	495,789	481,482	505,514	515,167	477,269	514,674	486,633	531,060	**5,942,429**
1987	517,210	473,425	501,109	495,706	496,806	504,892	530,502	506,741	500,097	525,173	490,290	540,790	**6,082,741**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Total Demand for All Products
By Petroleum Administration for Defense Districts
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1982													
PAD 1	6,102.1	5,783.1	5,324.2	5,233.0	4,375.8	4,510.8	4,452.7	4,435.5	4,628.2	4,518.9	4,763.1	5,235.9	**4,948.9**
PAD 2	4,109.6	4,120.1	3,999.5	4,289.7	4,080.0	4,075.3	4,074.7	3,949.7	4,162.3	4,224.5	4,153.6	4,145.4	**4,115.4**
PAD 3	3,145.9	3,335.8	3,438.2	3,636.7	3,517.2	3,573.7	3,386.4	3,521.1	3,438.4	3,320.6	3,376.0	3,462.7	**3,429.4**
PAD 4	472.8	499.3	503.9	515.4	511.8	589.1	565.4	571.6	536.2	520.5	502.4	483.9	**522.7**
PAD 5	2,293.6	2,263.1	2,294.7	2,371.6	2,361.8	2,249.2	2,341.4	2,361.3	2,256.9	2,274.2	2,213.9	2,159.4	**2,286.8**
Total U.S.	16,124.0	16,001.4	15,560.5	16,046.3	14,846.6	14,998.1	14,820.6	14,839.3	15,021.9	14,858.6	15,009.1	15,487.2	**15,301.1**
1983													
PAD 1	5,284.2	5,252.1	5,290.7	4,680.2	4,325.1	4,591.7	4,395.7	4,906.4	4,586.1	4,528.3	4,845.8	5,694.6	**4,865.1**
PAD 2	3,741.6	3,741.6	4,032.6	3,840.0	3,882.9	4,214.6	4,195.5	4,240.8	4,152.6	4,051.0	4,185.9	4,526.2	**4,067.1**
PAD 3	3,200.7	3,200.7	3,425.1	3,437.0	3,511.3	3,452.2	3,431.3	3,335.8	3,722.5	3,528.8	3,706.3	3,641.3	**3,466.1**
PAD 4	469.3	469.3	509.0	460.2	480.4	563.6	564.3	580.6	549.2	513.9	483.4	460.2	**508.6**
PAD 5	2,026.4	2,215.8	2,283.0	2,274.8	2,305.1	2,466.7	2,432.1	2,416.5	2,357.1	2,340.1	2,278.5	2,403.7	**2,316.7**
Total U.S.	14,722.3	14,791.9	15,540.5	14,692.1	14,504.7	15,288.8	15,018.8	15,480.1	15,505.9	14,962.3	15,499.8	16,725.9	**15,227.8**
1984													
PAD 1	6,074.9	5,041.3	5,332.7	4,700.3	4,505.5	4,705.4	4,150.7	4,837.5	4,416.2	4,605.8	5,021.2	5,049.5	**4,870.1**
PAD 2	4,196.3	3,880.6	4,141.9	4,037.1	4,342.5	4,355.7	4,340.4	4,353.2	4,242.1	4,426.8	4,356.9	4,035.3	**4,225.8**
PAD 3	3,797.9	3,776.3	3,622.1	3,921.1	3,752.6	3,705.4	3,929.1	3,864.9	28,717.5	3,576.0	3,429.8	3,506.4	**5,799.9**
PAD 4	476.9	478.5	464.7	485.1	514.0	547.9	553.0	580.7	520.8	542.2	505.3	479.3	**512.4**
PAD 5	2,254.3	2,260.4	2,488.6	2,424.6	2,505.3	2,394.2	2,524.6	5,273.7	2,480.9	2,465.6	2,313.3	2,304.7	**2,640.8**
Total U.S.	16,800.8	15,437.2	16,050.0	15,568.2	15,619.9	15,708.7	15,497.7	16,116.5	15,247.4	15,616.5	15,626.6	15,375.1	**15,722.0**
1985													
PAD 1	5,736.7	5,485.9	4,776.6	4,723.6	4,395.2	4,461.7	4,223.0	4,712.6	4,277.3	4,587.6	4,631.6	5,574.3	**4,798.8**
PAD 2	4,232.9	4,194.6	3,972.5	4,117.4	4,215.2	4,174.1	4,189.6	4,377.4	4,281.5	4,603.2	4,299.8	4,278.5	**4,244.7**
PAD 3	3,294.6	3,637.8	3,638.2	3,672.7	3,849.0	3,920.9	3,890.7	3,767.0	3,496.0	3,695.6	3,681.2	3,862.8	**3,700.5**
PAD 4	474.8	502.9	478.1	497.8	519.2	526.7	573.4	589.2	541.2	541.2	499.7	481.0	**518.8**
PAD 5	2,370.2	2,300.1	2,507.2	2,460.4	2,524.9	2,399.5	2,556.9	2,613.9	2,503.0	2,515.9	2,390.4	2,414.8	**2,463.1**
Total U.S.	16,109.2	16,121.3	15,372.6	15,471.7	15,503.6	15,482.9	15,433.7	16,060.1	15,099.0	15,943.5	15,502.8	16,611.3	**15,728.0**
1986													
PAD 1	5,755.2	5,722.5	5,247.1	5,114.1	4,776.8	4,849.4	4,885.3	5,125.9	4,717.5	5,155.2	5,070.0	5,798.2	**5,184.8**
PAD 2	3,956.5	3,802.9	4,095.7	4,092.1	4,141.5	4,080.2	4,386.5	4,388.4	4,128.2	4,419.6	4,146.2	4,128.8	**4,147.2**
PAD 3	3,520.0	3,782.0	3,831.3	3,712.1	3,960.1	3,752.5	3,814.7	3,790.5	3,920.7	3,949.5	4,001.7	4,209.3	**3,853.7**
PAD 4	464.6	450.0	490.6	507.2	550.4	555.6	552.6	578.8	560.5	527.9	484.2	474.2	**516.4**
PAD 5	2,391.7	2,428.6	2,611.6	2,519.2	2,564.3	2,811.7	2,667.8	2,734.7	2,582.0	2,550.2	2,519.0	2,520.5	**2,575.1**
Total U.S.	16,088.0	16,186.0	16,276.3	15,944.6	15,993.2	16,049.4	16,306.9	16,618.3	15,908.9	16,602.4	16,221.1	17,131.0	**16,277.2**
1987													
PAD 1	5,905.5	6,145.0	5,287.0	5,115.1	4,814.7	4,917.2	5,053.1	4,892.4	4,993.1	5,220.3	5,338.9	5,914.8	**5,299.7**
PAD 2	3,816.4	3,781.5	3,904.8	3,998.7	4,022.3	4,352.4	4,177.0	4,084.3	4,322.9	4,522.9	3,963.9	4,133.2	**4,090.0**
PAD 3	4,042.1	3,999.1	3,979.4	4,240.3	4,090.3	4,210.0	4,492.7	4,082.6	4,167.5	4,036.0	3,981.3	4,228.0	**4,129.1**
PAD 4	465.3	452.4	468.1	513.5	511.6	575.1	587.7	554.9	529.9	552.8	481.6	457.5	**512.5**
PAD 5	2,454.9	2,530.0	2,525.5	2,656.0	2,587.2	2,775.1	2,802.4	2,732.3	2,656.5	2,609.1	2,577.3	2,711.4	**2,634.8**
Total U.S.	16,684.3	16,908.0	16,164.8	16,523.6	16,026.0	16,829.7	17,112.9	16,346.5	16,669.9	16,941.1	16,343.0	17,444.9	**16,666.2**

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Total Demand for Motor Gasoline
Total U.S.
Thousands of barrels per day

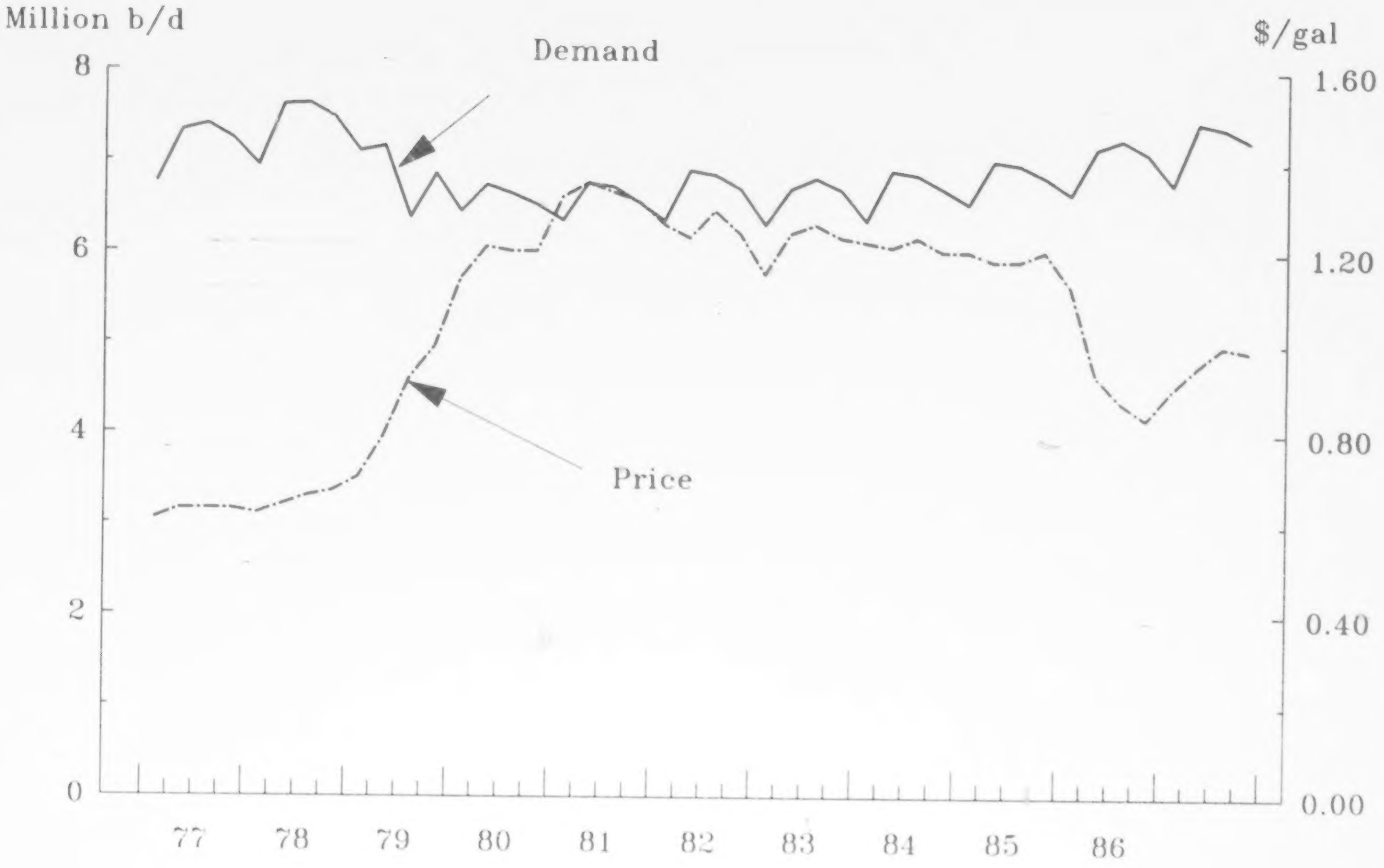
	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	6,117.6	6,436.5	6,512.9	6,541.4	6,907.3	6,963.7	7,023.1	7,256.6	6,580.6	6,676.9	6,823.0	6,236.8	6,673.0
1974	5,804.4	6,099.9	6,161.9	6,456.9	6,745.4	6,919.2	6,959.1	7,061.4	6,387.6	6,712.2	6,546.5	6,557.9	6,534.4
1975	6,205.9	6,096.1	6,325.7	6,718.1	6,871.3	7,076.2	7,040.6	7,008.3	6,728.7	6,777.6	6,389.7	6,808.0	6,670.5
1976	6,398.3	6,263.5	6,890.5	7,159.4	6,853.0	7,481.9	7,315.2	7,168.2	7,078.5	6,929.0	7,038.2	7,137.8	6,976.1
1977	6,472.2	6,899.7	6,907.9	7,345.1	7,029.3	7,592.8	7,439.5	7,419.9	7,316.1	7,130.4	7,191.4	7,374.7	7,176.8
1978	6,681.2	6,876.4	7,255.0	7,202.3	7,724.4	7,913.1	7,575.9	7,872.3	7,398.6	7,447.9	7,503.1	7,451.5	7,408.5
1979	6,830.4	7,254.4	7,229.0	7,055.0	7,213.4	7,190.8	6,901.8	7,330.3	6,880.8	7,020.5	6,790.9	6,730.4	7,035.6
1980	6,322.6	6,596.3	6,406.1	6,799.9	6,729.5	6,657.2	6,742.6	6,648.2	6,509.9	6,662.3	6,233.5	6,631.8	6,578.3
1981	6,431.2	6,300.6	6,302.6	6,602.3	6,614.9	7,027.8	6,823.0	6,636.8	6,662.0	6,577.7	6,372.8	6,681.1	6,586.1
1982	5,960.6	6,195.8	6,466.4	6,897.4	6,655.0	6,835.3	6,790.4	6,614.0	6,531.0	6,390.5	6,574.5	6,548.7	6,538.3
1983	6,050.7	6,000.3	6,835.8	6,452.3	6,617.0	6,993.6	6,765.4	6,935.5	6,726.9	6,588.2	6,603.1	6,846.2	6,617.9
1984	6,264.5	6,231.4	6,528.1	6,676.1	6,890.4	7,106.8	6,830.1	7,093.1	6,588.5	6,729.5	6,800.0	6,555.0	6,691.1
1985	6,348.4	6,587.5	6,664.1	6,955.6	7,060.0	6,996.7	7,008.2	7,241.5	6,629.5	6,896.6	6,770.2	6,792.4	6,829.2
1986	6,501.9	6,468.9	6,954.8	7,104.6	7,106.4	7,209.1	7,435.5	7,434.8	6,864.4	7,249.6	6,878.9	7,142.6	7,029.3
1987	6,534.8	6,795.9	6,964.2	7,314.0	7,460.4	7,539.5	7,581.2	7,338.3	7,205.2	7,305.4	7,151.3	7,251.2	7,203.5

Total Demand for Motor Gasoline
Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	189,647	180,223	201,901	196,243	214,125	208,912	217,717	224,955	197,417	206,985	204,689	193,342	2,436,158
1974	179,935	170,797	191,020	193,708	209,107	207,577	215,732	218,904	191,628	208,078	196,396	203,295	2,386,177
1975	192,382	170,691	196,097	201,542	213,010	212,285	218,258	217,257	201,861	210,107	191,690	211,049	2,436,229
1976	198,347	181,641	213,605	214,782	212,442	224,458	226,772	222,214	212,355	214,799	211,147	221,272	2,553,834
1977	200,637	193,191	214,144	220,352	217,907	227,783	230,624	230,018	219,484	221,043	215,741	228,616	2,619,540
1978	207,118	192,540	224,905	216,070	239,456	237,392	234,852	244,041	221,959	230,886	225,094	230,996	2,705,309
1979	211,741	203,122	224,099	211,651	223,615	215,723	213,957	227,238	206,424	217,634	203,728	208,641	2,567,573
1980	196,000	191,292	198,589	203,998	208,614	199,717	209,022	206,094	195,296	206,532	187,006	205,587	2,407,747
1981	199,366	176,416	195,382	198,068	205,061	210,834	211,513	205,741	199,859	203,909	191,184	207,115	2,404,448
1982	184,779	173,483	200,459	206,923	206,306	205,058	210,502	205,034	195,929	198,107	197,234	203,011	2,386,825
1983	187,573	168,007	211,909	193,569	205,126	209,807	209,728	215,001	201,807	204,233	198,092	212,231	2,417,083
1984	194,200	180,711	202,372	200,284	213,602	213,203	211,734	219,886	197,654	208,613	203,999	203,204	2,449,462
1985	196,799	184,449	206,588	208,669	218,861	209,902	217,255	224,487	198,884	213,796	203,105	210,565	2,493,360
1986	201,560	181,130	215,599	213,138	220,298	216,274	230,501	230,479	205,933	224,737	206,367	221,421	2,567,437
1987	202,580	190,286	215,891	219,421	231,273	226,184	235,018	227,487	216,156	226,466	214,540	224,788	2,630,090

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Motor Gasoline Demand and Price



Source: EIA

Demand for Gasoline by Type
Total U.S.
Thousands of barrels per day

		January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1982:	Leaded	2,893.2	2,985.3	3,108.1	3,402.3	3,240.1	3,269.8	3,222.5	3,088.3	3,127.2	3,039.7	3,123.8	3,063.3	**3,130.3**
	Unleaded	3,063.5	3,207.5	3,354.2	3,492.3	3,411.1	3,562.3	3,564.7	3,522.3	3,400.4	3,348.6	3,447.8	3,481.9	**3,404.7**
1983:	Leaded	2,686.4	2,736.2	3,213.8	2,960.7	3,058.6	3,201.8	3,019.7	3,099.5	3,036.1	2,877.3	2,911.2	2,880.3	**2,973.5**
	Unleaded	3,364.4	3,264.0	3,622.0	3,491.7	3,558.4	3,791.8	3,745.7	3,836.0	3,690.8	3,710.9	3,691.8	3,965.8	**3,644.4**
1984:	Leaded	2,659.3	2,646.7	2,778.0	2,818.9	2,886.0	2,892.8	2,772.9	2,810.5	2,615.3	2,636.3	2,554.8	2,387.4	**2,704.9**
	Unleaded	3,605.3	3,584.7	3,750.2	3,857.2	4,004.4	4,213.9	4,057.2	4,282.5	3,973.2	4,093.2	4,245.1	4,167.6	**3,986.2**
1985:	Leaded	2,332.1	2,461.4	2,461.7	2,559.6	2,614.5	2,514.5	2,463.6	2,486.5	2,272.7	2,411.6	2,292.7	2,231.2	**2,425.2**
	Unleaded	4,016.3	4,126.0	4,202.5	4,396.0	4,445.5	4,482.2	4,544.7	4,755.1	4,356.7	4,485.0	4,477.4	4,561.2	**4,404.0**
1986:	Leaded	2,098.2	2,103.7	2,276.7	2,321.7	2,377.6	2,295.6	2,253.5	2,296.9	2,051.1	2,164.1	1,960.5	1,950.0	**2,179.1**
	Unleaded	4,403.7	4,365.2	4,678.2	4,782.9	4,728.8	4,913.5	5,182.0	5,137.9	4,813.4	5,085.5	4,918.4	5,192.6	**4,850.2**
1987:	Leaded	1,713.1	1,728.0	1,771.2	1,908.9	1,891.1	1,861.0	1,841.0	1,682.1	1,668.8	1,669.7	1,562.2	1,536.7	**1,738.2**
	Unleaded	4,821.7	5,067.9	5,193.0	5,405.1	5,569.3	5,678.5	5,740.2	5,656.2	5,536.4	5,635.6	5,589.1	5,714.5	**5,467.3**

Demand for Gasoline by Type
Total U.S.
Thousands of barrels

		January	**February**	**March**	**April**	**May**	**June**	**July**	**August**	**September**	**October**	**November**	**December**	**Annual Total**
1982:	Leaded	89,689	83,589	96,352	102,070	100,444	98,094	99,896	95,737	93,815	94,232	93,713	94,961	**1,142,592**
	Unleaded	94,968	89,811	103,979	104,770	105,744	106,869	110,507	109,191	102,012	103,808	103,434	107,939	**1,243,032**
1983:	Leaded	83,277	76,614	99,628	88,820	94,817	96,053	93,612	96,083	91,084	89,196	87,337	89,290	**1,085,811**
	Unleaded	104,296	91,393	112,281	104,750	110,309	113,754	116,116	118,917	110,723	115,037	110,755	122,941	**1,331,272**
1984:	Leaded	82,437	76,754	86,117	84,567	89,466	86,785	85,960	87,127	78,459	81,725	76,645	74,009	**990,051**
	Unleaded	111,763	103,957	116,255	115,717	124,136	126,417	125,774	132,759	119,195	126,888	127,353	129,195	**1,459,409**
1985:	Leaded	72,295	68,920	76,312	76,789	81,051	75,435	76,371	77,080	68,182	74,760	68,782	69,167	**885,144**
	Unleaded	124,504	115,529	130,276	131,880	137,809	134,467	140,885	147,407	130,702	139,036	134,322	141,398	**1,608,215**
1986:	Leaded	65,045	58,904	70,577	69,651	73,706	68,868	69,859	71,204	61,532	67,086	58,815	60,451	**795,898**
	Unleaded	136,515	122,226	145,023	143,486	146,592	147,405	160,642	159,276	144,402	157,651	147,552	160,970	**1,771,740**
1987:	Leaded	53,107	48,385	54,907	57,268	58,625	55,829	57,072	52,144	50,063	51,762	46,866	47,637	**633,665**
	Unleaded	149,472	141,900	160,984	162,152	172,648	170,355	177,946	175,343	166,093	174,704	167,674	177,150	**1,996,421**

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Motor Gasoline Demand by Sector
Millions of barrels

	Residential	Commercial	Industrial	Transportation	Electric Utilities	Total
1960	0	13	73	1,367	0	**1,453**
1961	0	13	69	1,393	0	**1,476**
1962	0	14	70	1,448	0	**1,533**
1963	0	14	67	1,501	0	**1,582**
1964	0	14	65	1,532	0	**1,611**
1965	0	15	65	1,596	0	**1,676**
1966	0	15	61	1,679	0	**1,755**
1967	0	16	58	1,736	0	**1,810**
1968	0	16	58	1,852	0	**1,925**
1969	0	16	56	1,945	0	**2,017**
1970	0	16	55	2,040	0	**2,111**
1971	0	16	52	2,127	0	**2,195**
1972	0	17	48	2,269	0	**2,334**
1973	0	17	49	2,371	0	**2,436**
1974	0	16	45	2,326	0	**2,386**
1975	0	17	43	2,377	0	**2,436**
1976	0	18	40	2,495	0	**2,554**
1977	0	19	37	2,563	0	**2,620**
1978	0	20	34	2,651	0	**2,705**
1979	0	20	31	2,517	0	**2,568**
1980	0	20	30	2,357	0	**2,408**
1981	0	17	30	2,357	0	**2,404**
1982	0	17	26	2,344	0	**2,387**
1983	0	19	21	2,376	0	**2,417**
1984	0	20	30	2,399	0	**2,449**
1985	0	18	41	2,434	0	**2,493**
1986	0	20	39	2,508	0	**2,567**

Note: May not add to totals due to independent rounding.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Motor Gasoline Sales by State
Thousands of barrels

	1979	1980	1981	1982	1983	1984	1985	1986	1987
Alabama	49,850	46,715	44,029	43,819	44,319	45,364	44,797	47,907	49,624
Alaska	4,918	4,795	5,067	5,598	5,267	5,928	6,374	6,108	5,776
Arizona	33,643	31,636	32,010	31,943	33,593	35,475	37,045	38,931	40,080
Arkansas	30,232	28,067	27,095	26,749	26,866	28,406	27,767	28,858	29,567
California	270,607	261,715	258,163	253,822	262,682	271,752	277,530	289,897	298,646
Colorado	37,036	35,867	35,867	36,029	37,161	36,060	37,117	37,905	37,279
Connecticut	32,683	31,609	30,858	30,594	31,145	31,899	33,178	34,372	35,353
Delaware	7,297	6,996	6,919	6,725	7,352	7,625	7,767	7,934	8,054
Dist. of Columbia	4,844	4,082	4,073	4,060	4,000	4,314	3,883	3,989	4,318
Florida	116,801	114,536	115,359	116,671	120,910	125,279	130,048	135,494	117,336
Georgia	71,966	68,451	66,904	67,104	69,152	72,711	74,968	78,888	81,455
Hawaii	7,916	8,441	8,282	8,312	8,460	8,835	8,326	8,681	9,166
Idaho	12,827	11,627	11,216	10,859	10,938	10,913	11,036	11,176	11,005
Illinois	123,480	114,685	109,476	107,675	109,746	108,371	115,158	112,659	113,628
Indiana	68,929	63,956	62,304	57,890	59,030	60,046	60,939	62,434	65,370
Iowa	40,917	37,171	35,108	33,829	33,208	33,291	32,615	32,559	32,614
Kansas	33,496	31,219	30,211	29,432	29,530	29,648	29,385	29,735	30,127
Kentucky	44,476	41,795	41,288	40,991	41,293	42,018	41,345	44,056	44,178
Louisiana	51,389	49,555	50,081	51,074	51,215	51,586	50,771	51,442	49,115
Maine	12,897	12,310	11,851	12,039	12,378	12,638	13,050	13,858	14,443
Maryland	46,461	46,219	45,701	44,973	45,058	46,649	47,055	48,280	49,247
Massachusetts	57,428	54,802	53,570	53,238	53,970	55,719	56,872	58,526	59,325
Michigan	113,252	101,763	95,580	90,377	87,640	96,246	97,288	99,691	102,089
Minnesota	52,896	48,697	45,945	45,981	47,274	49,635	50,866	48,591	48,407
Mississippi	30,767	28,449	28,771	27,426	27,575	28,358	29,311	30,028	30,239
Missouri	66,339	61,967	60,205	59,402	60,382	61,934	62,244	65,765	65,062
Montana	11,890	10,951	11,025	10,771	10,949	10,851	10,518	10,558	10,497
Nebraska	21,604	20,175	19,012	18,871	18,498	18,573	18,503	18,496	18,479
Nevada	11,927	11,912	12,108	11,673	11,663	12,013	12,122	12,740	13,516
New Hampshire	10,323	9,791	9,493	9,364	9,648	10,343	10,641	11,471	12,242
New Jersey	80,823	77,643	74,821	75,536	80,283	79,957	78,835	83,919	85,381
New Mexico	18,892	17,698	17,678	17,729	17,641	18,199	18,652	19,066	19,565
New York	141,666	134,966	135,118	133,747	130,740	117,329	141,475	141,843	146,878
North Carolina	74,512	69,816	68,445	67,690	69,315	72,429	73,642	76,850	79,002
North Dakota	10,564	9,696	9,725	9,597	9,288	9,298	9,184	8,954	9,078
Ohio	127,539	118,633	113,492	108,598	110,352	112,964	112,834	116,148	109,158
Oklahoma	45,186	43,935	45,772	45,934	45,420	44,709	45,021	44,017	42,210
Oregon	32,977	31,681	30,262	28,836	29,117	30,077	29,873	30,822	31,260
Pennsylvania	120,043	112,758	106,583	104,384	104,061	105,294	105,470	107,711	109,278
Rhode Island	9,406	9,091	8,774	8,591	8,706	8,800	9,024	9,385	9,442
South Carolina	39,472	37,198	36,409	36,091	36,647	38,141	38,827	40,484	40,018
South Dakota	11,238	10,084	9,610	9,358	9,269	9,272	9,225	9,404	9,346
Tennessee	60,196	57,570	56,868	56,081	55,516	59,557	60,356	63,132	65,584
Texas	207,397	193,012	194,030	195,278	199,850	202,428	211,886	216,325	210,878
Utah	17,394	17,500	16,883	17,477	17,269	17,922	17,995	18,255	18,201
Vermont	6,217	5,687	5,574	5,641	5,763	6,002	6,019	6,182	6,720
Virginia	65,232	61,886	60,254	59,372	60,815	63,465	64,749	67,036	71,280
Washington	47,526	44,822	44,580	44,074	45,694	47,627	45,534	48,431	52,554
West Virginia	21,163	20,125	19,158	19,306	19,089	19,064	19,082	19,200	19,746
Wisconsin	56,011	51,842	49,233	47,192	47,901	48,157	48,166	49,074	48,729
Wyoming	9,087	8,898	8,930	8,558	8,066	8,526	7,928	7,830	7,462
Total U.S.	2,681,632	2,534,494	2,479,772	2,446,359	2,481,701	2,531,698	2,592,298	2,665,097	2,678,007

Data from Oil & Gas Journal Energy Database.
Source: Federal Highway Administration

Demand for Jet Naphtha
Total U.S.
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	195.9	189.7	189.3	247.9	219.9	223.7	197.9	233.6	213.8	255.0	196.4	239.2	**218.9**
1974	173.1	165.6	203.4	217.6	270.9	242.1	213.8	238.8	263.0	228.7	240.1	208.5	**222.1**
1975	170.4	206.0	205.3	191.9	215.4	192.7	193.1	212.8	233.7	220.4	236.6	238.3	**209.7**
1976	142.1	188.1	190.6	206.0	214.8	195.3	213.4	189.1	242.8	177.5	211.1	214.4	**198.8**
1977	175.1	199.2	231.2	227.3	206.5	206.8	198.3	213.3	203.0	198.7	229.1	206.7	**207.9**
1978	154.3	208.8	198.8	209.1	219.2	189.5	192.4	219.8	197.3	208.0	201.6	187.2	**198.8**
1979	178.5	198.8	184.5	186.0	192.2	236.7	210.8	188.3	191.4	205.5	218.0	207.9	**199.9**
1980	205.9	188.8	250.7	221.3	214.5	214.2	206.0	224.6	221.0	208.0	216.3	230.3	**216.8**
1981	175.4	188.1	215.3	187.5	207.3	208.8	228.8	195.4	227.0	173.1	195.3	173.6	**198.0**
1982	164.3	219.4	210.2	222.3	208.3	229.1	221.3	224.5	192.6	191.5	209.6	213.8	**208.9**
1983	192.7	233.3	222.5	196.5	220.7	208.3	215.8	224.4	195.2	179.5	189.8	206.0	**207.1**
1984	190.9	200.9	203.7	257.6	241.0	211.5	232.2	256.5	229.9	222.0	234.1	190.6	**222.6**
1985	217.6	211.6	186.7	243.9	228.2	232.0	207.5	210.7	207.6	217.4	210.6	191.9	**213.8**
1936	199.6	183.0	191.4	170.7	218.5	215.4	234.5	188.0	199.4	206.7	208.8	208.9	**202.1**
1987	159.3	214.3	195.9	199.2	188.6	233.3	224.5	217.9	221.1	203.3	221.0	174.9	**204.4**

Demand for Jet Naphtha
Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	6,072	5,312	5,869	7,437	6,818	6,711	6,134	7,241	6,413	7,905	5,892	7,416	**79,220**
1974	5,365	4,637	6,306	6,527	8,399	7,262	6,627	7,404	7,891	7,089	7,202	6,462	**81,171**
1975	5,282	5,768	6,364	5,758	6,678	5,782	5,985	6,597	7,012	6,833	7,097	7,387	**76,543**
1976	4,405	5,456	5,910	6,181	6,659	5,860	6,616	5,863	7,283	5,501	6,332	6,647	**72,713**
1977	5,428	5,577	7,167	6,820	6,401	6,205	6,148	6,613	6,090	6,159	6,873	6,407	**75,888**
1978	4,784	5,846	6,164	6,274	6,795	5,6[illegible]	5,965	6,815	5,920	6,448	6,047	5,804	**72,546**
1979	5,532	5,566	5,721	5,579	5,958	7,100	6,534	5,836	5,742	6,370	6,541	6,446	**72,925**
1980	6,383	5,474	7,771	6,639	6,649	6,427	6,386	6,964	6,631	6,447	6,489	7,139	**79,399**
1981	5,437	5,267	6,674	5,624	6,426	6,265	7,092	6,056	6,811	5,365	5,860	5,381	**72,258**
1982	5,092	6,142	6,517	6,669	6,457	6,872	6,860	6,960	5,777	5,938	6,288	6,627	**76,199**
1983	5,973	6,532	6,899	5,896	6,843	6,249	6,690	6,956	5,856	5,564	5,693	6,386	**75,537**
1984	5,918	5,827	6,315	7,727	7,471	6,345	7,199	7,951	6,898	6,881	7,023	5,909	**81,464**
1985	6,745	5,925	5,787	7,318	7,074	6,959	6,432	6,531	6,229	6,738	6,319	5,949	**78,008**
1986	6,188	5,125	5,933	5,120	6,773	6,461	7,271	5,828	5,983	6,408	6,265	6,475	**73,830**
1987	4,939	6,000	6,073	5,976	5,848	6,999	6,959	6,754	6,633	6,303	6,630	5,423	**74,537**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Demand for Jet Kerosine
Total U.S.
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	914.1	900.5	804.4	766.9	892.5	783.7	848.2	815.6	856.6	849.4	828.6	847.5	**842.3**
1974	722.1	694.4	752.3	723.0	782.2	709.6	814.3	792.2	846.3	782.5	791.7	834.1	**770.4**
1975	870.8	868.6	776.8	814.1	762.0	796.6	760.8	833.6	806.0	776.3	762.5	672.8	**791.8**
1976	805.6	777.1	774.3	803.7	745.4	776.4	885.4	776.2	805.0	733.6	767.3	812.9	**788.8**
1977	878.6	836.9	808.4	790.0	784.0	780.7	842.9	897.3	844.9	817.3	806.1	884.1	**830.9**
1978	825.6	899.3	908.3	802.2	777.5	854.7	821.4	906.6	879.2	859.3	905.1	859.2	**858.2**
1979	917.8	950.6	916.1	794.3	796.5	858.1	883.7	896.9	907.6	849.3	851.7	894.8	**876.4**
1980	897.0	883.0	865.5	886.6	793.8	843.5	903.6	818.1	834.0	822.9	808.5	852.1	**850.7**
1981	888.3	829.7	839.7	780.1	713.9	837.9	845.1	829.4	803.4	758.5	786.7	801.9	**809.8**
1982	870.9	833.3	769.4	781.8	799.2	761.1	780.5	757.5	839.9	768.9	844.6	841.6	**804.1**
1983	767.3	825.5	783.1	834.4	787.1	865.9	860.5	849.0	881.4	820.2	818.9	975.1	**839.0**
1984	1,010.6	918.6	897.8	903.2	905.0	892.1	956.3	992.0	976.7	1,001.8	924.2	1,050.5	**952.4**
1985	1,018.1	966.0	976.4	1,007.0	906.0	910.2	1,009.3	997.9	1,001.7	1,040.7	1,065.5	1,152.2	**1,004.2**
1986	1,090.3	1,093.3	1,007.3	1,086.4	1,029.8	1,106.5	1,090.6	1,163.6	1,121.5	1,065.6	1,171.0	1,235.8	**1,105.1**
1987	1,201.6	1,212.9	1,168.6	1,145.7	1,118.2	1,127.1	1,165.4	1,198.6	1,139.5	1,263.6	1,137.7	1,287.9	**1,180.6**

Demand for Jet Kerosine
Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	28,337	25,215	24,935	23,007	27,667	23,510	26,293	25,283	25,698	26,331	24,857	26,274	**307,407**
1974	22,385	19,442	23,320	21,689	24,248	21,289	25,244	24,557	25,389	24,257	23,752	25,857	**281,429**
1975	26,994	24,320	24,080	24,424	23,623	23,899	23,586	25,843	24,179	24,066	22,875	20,858	**288,747**
1976	24,974	22,536	24,004	24,110	23,107	23,291	27,447	24,063	24,151	22,742	23,020	25,200	**288,645**
1977	27,236	23,434	25,059	23,700	24,305	23,420	26,129	27,815	25,346	25,336	24,182	27,407	**303,369**
1978	25,593	25,181	28,157	24,065	24,101	25,642	25,463	28,104	26,375	26,639	27,154	26,634	**313,108**
1979	28,451	26,616	28,398	23,830	24,691	25,744	27,394	27,803	27,227	26,328	25,552	27,740	**319,774**
1980	27,808	25,608	26,831	26,598	24,607	25,305	28,011	25,360	25,020	25,509	24,255	26,415	**311,327**
1981	27,538	23,231	26,032	23,403	22,130	25,138	26,197	25,711	24,103	23,515	23,601	24,859	**295,458**
1982	26,999	23,333	23,851	23,455	24,775	22,832	24,194	23,482	25,197	23,837	25,339	26,090	**293,384**
1983	23,785	23,115	24,275	25,031	24,401	25,978	26,677	26,318	26,443	25,427	24,568	30,229	**306,247**
1984	31,330	26,639	27,832	27,096	28,054	26,764	29,645	30,751	29,300	31,057	27,726	32,567	**348,761**
1985	31,560	27,049	30,269	30,209	28,085	27,307	31,287	30,936	30,050	32,263	31,965	35,717	**366,697**
1986	33,800	30,611	31,225	32,593	31,924	33,194	33,810	36,073	33,645	33,034	35,129	38,309	**403,347**
1987	37,249	33,960	36,227	34,372	34,665	33,813	36,128	37,156	34,184	39,172	34,132	39,924	**430,982**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Demand for Kerosine
Total U.S.
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	406.0	385.1	200.7	163.1	132.3	117.6	148.5	146.6	184.5	179.5	305.6	238.3	**217.3**
1974	311.5	280.S	178.0	130.0	71.3	114.7	124.6	140.6	137.9	192.4	195.5	244.2	**178.8**
1975	219.8	252.8	167.2	146.1	97.3	132.0	97.5	107.0	125.0	146.1	146.8	275.3	**159.4**
1976	298.0	217.8	158.7	139.0	78.0	120.6	99.5	94.3	149.5	155.6	215.8	304.7	**189.3**
1977	357.2	264.8	144.2	118.4	106.0	98.3	135.7	117.1	129.2	139.5	169.8	275.3	**175.5**
1978	310.7	319.1	200.4	108.1	124.9	91.0	94.3	112.6	175.0	173.0	177.3	228.1	**176.2**
1979	330.3	337.9	158.7	156.6	138.5	139.6	130.3	158.2	159.7	180.8	153.1	220.6	**188.7**
1980	238.7	231.7	174.7	140.6	112.2	118.0	114.6	137.0	131.0	144.9	124.0	234.2	**158.5**
1981	225.7	159.0	112.9	94.4	85.4	83.6	90.9	94.1	93.4	133.9	152.8	196.7	**128.9**
1982	205.3	177.5	117.4	108.8	103.7	82.6	96.3	78.3	107.8	141.3	139.8	187.5	**128.9**
1983	174.3	151.4	124.0	134.0	102.1	66.6	85.3	89.0	103.6	108.1	158.7	227.7	**127.1**
1984	208.2	112.3	126.5	111.3	62.8	85.3	88.9	80.5	115.2	83.2	172.5	137.0	**115.3**
1985	238.9	174.9	69.7	74.4	64.1	81.5	51.7	88.3	76.4	96.8	102.4	249.5	**114.1**
1986	170.4	140.1	124.6	53.7	67.6	30.5	61.8	98.8	56.5	100.1	117.7	157.0	**98.2**
1987	156.6	148.3	104.6	43.3	48.1	60.1	51.1	64.8	72.3	124.8	109.7	153.0	**94.7**

Demand for Kerosine
Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	12,585	10,784	6,222	4,894	4,102	3,529	4,602	4,546	5,[illegible]4	5,563	9,168	7,386	**78,915**
1974	9,657	7,866	5,518	3,899	2,210	3,442	3,864	4,360	4,1[illegible]6	5,964	5,866	7,570	**64,352**
1975	6,814	7,078	5,182	4,384	3,017	3,961	3,022	3,317	3,750	4,528	4,403	8,534	**57,990**
1976	9,239	6,317	4,920	4,169	2,419	3,618	3,085	2,922	4,486	4,825	6,474	9,446	**61,920**
1977	11,073	7,413	4,470	3,552	3,285	2,948	4,208	3,631	3,876	5,876	5,095	[illegible],535	**63,962**
1978	9,633	8,935	6,213	3,242	3,873	2,730	2,924	3,491	5,249	5,364	5,318	7,070	**64,042**
1979	10,238	9,462	4,920	4,697	4,294	4,189	4,038	4,903	4,792	5,605	4,594	6,838	**68,570**
1980	7,399	6,719	5,415	4,217	3,479	3,539	3,553	4,246	3,929	4,493	3,720	7,261	**57,970**
1981	6,997	4,452	3,501	2,833	2,647	2,507	2,818	2,918	2,803	4,150	4,583	6,098	**48,307**
1982	6,363	4,970	3,640	3,264	3,215	2,479	2,985	2,427	3,234	4,380	4,195	5,811	**46,963**
1983	5,403	4,240	3,844	4,020	3,164	1,999	2,645	2,758	3,109	3,350	4,762	7,059	**46,353**
1984	6,453	3,256	3,920	3,340	1,947	2,560	2,755	2,496	3,457	2,579	5,174	4,248	**42,185**
1985	7,405	4,897	2,160	2,232	1,988	2,445	1,604	2,736	2,292	3,001	3,072	7,736	**41,568**
1986	5,281	3,924	3,862	1,610	2,096	915	1,917	3,062	1,696	3,103	3,530	4,867	**35,86[illegible]**
1987	4,855	4,152	3,244	1,299	1,492	1,804	1,585	2,010	2,169	3,869	3,291	4,743	**34,513**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Kerosine Demand by Sector
Millions of barrels

	Residential	Commercial	Industrial	Transportation	Electric Utilities	Total
1960	62	8	28	0	1	99
1961	66	8	23	0	0	97
1962	65	8	25	0	0	98
1963	65	8	24	0	0	97
1964	57	8	28	0	0	93
1965	59	9	29	0	1	98
1966	56	11	35	0	0	102
1967	52	8	40	0	0	100
1968	56	11	36	0	0	103
1969	55	11	35	0	0	101
1970	53	11	33	0	0	97
1971	52	10	29	0	0	91
1972	48	10	28	0	0	86
1973	40	11	27	0	1	79
1974	32	10	22	0	0	64
1975	28	9	21	0	0	58
1976	33	8	22	0	0	63
1977	30	9	25	0	0	64
1978	27	10	27	0	0	64
1979	23	14	31	0	1	69
1980	19	7	32	0	0	58
1981	15	12	19	0	0	46
1982	17	5	25	0	0	47
1983	15	20	12	0	0	47
1984	16	16	10	0	0	42
1985	21	9	12	0	0	42
1986	15	7	13	0	1	36

Note: May not add to totals due to independent rounding.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Demand for Distillate Fuel Oil
Total U.S.
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	4,138.3	4,301.7	3,337.1	2,634.6	2,672.6	2,418.7	2,328.2	2,555.1	2,674.7	2,930.1	3,507.7	3,690.1	**3,099.1**
1974	3,835.4	3,848.8	3,164.1	2,852.2	2,450.0	2,377.0	2,308.6	2,308.9	2,385.4	2,887.0	3,156.6	3,853.0	**2,952.2**
1975	3,962.8	3,803.2	3,291.7	3,093.7	2,382.3	2,267.4	2,109.4	2,173.1	2,163.2	2,677.1	2,543.6	3,792.1	**2,855.0**
1976	4,297.4	3,697.1	3,339.2	2,787.6	2,519.2	2,436.3	2,255.1	2,237.3	2,619.8	3,031.4	3,713.8	4,667.3	**3,133.5**
1977	5,103.2	4,708.0	3,442.5	2,935.6	2,781.9	2,769.9	2,550.1	2,631.9	2,714.2	3,036.5	3,420.6	4,205.3	**3,358.3**
1978	4,458.2	4,848.4	4,107.9	3,111.4	3,103.4	2,836.7	2,522.3	2,800.3	2,663.6	3,076.9	3,582.8	4,156.0	**3,439.0**
1979	4,580.5	4,812.2	3,664.5	3,016.3	2,997.5	2,707.9	2,562.8	2,760.8	2,646.7	3,118.6	3,289.4	3,708.0	**3,322.1**
1980	3,713.6	3,711.9	3,178.8	2,634.6	2,401.9	2,317.2	2,248.8	2,136.9	2,587.3	2,920.4	2,949.0	3,615.1	**2,868.0**
1981	4,109.1	3,373.4	2,904.1	2,531.7	2,410.7	2,464.3	2,377.7	2,387.7	2,512.6	2,803.2	2,880.4	3,212.2	**2,830.6**
1982	3,484.3	3,085.1	2,944.8	2,977.9	2,444.4	2,451.6	2,057.6	2,217.8	2,506.6	2,581.4	2,474.8	2,855.4	**2,673.5**
1983	2,796.5	2,779.5	2,947.4	2,697.4	2,354.2	2,523.8	2,269.7	2,495.1	2,575.4	2,610.7	2,873.6	3,364.8	**2,690.7**
1984	3,524.9	2,834.0	3,259.5	2,926.3	2,813.6	2,593.4	2,503.9	2,558.8	2,654.5	2,765.1	2,826.6	2,864.7	**2,843.8**
1985	3,465.1	3,330.3	3,093.2	2,797.8	2,607.1	2,593.9	2,436.1	2,636.1	2,575.0	2,900.9	2,747.1	3,253.9	**2,869.7**
1986	3,329.8	3,416.1	3,168.3	2,904.0	2,762.5	2,543.8	2,592.4	2,620.8	2,540.2	2,912.0	2,877.0	3,328.5	**2,916.3**
1987	3,310.3	3,345.4	3,115.8	2,991.2	2,683.8	2,789.7	2,713.3	2,553.4	2,837.7	3,151.3	2,932.2	3,318.0	**2,978.5**

Demand for Distillate Fuel Oil
Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	128,286	120,447	103,451	79,037	82,851	72,560	72,175	79,208	80,241	90,834	105,230	114,394	**1,128,714**
1974	118,898	107,765	98,088	85,566	75,949	71,311	71,566	71,575	71,561	89,496	94,699	119,442	**1,075,916**
1975	122,848	106,490	102,043	92,812	73,852	68,023	65,390	67,365	64,895	82,990	76,308	117,555	**1,040,571**
1976	133,220	107,215	103,515	83,629	78,096	73,088	69,909	69,355	78,594	93,972	111,415	144,687	**1,146,695**
1977	158,199	131,825	106,716	88,067	86,239	83,097	79,054	81,589	81,425	94,133	102,619	130,365	**1,223,328**
1978	138,203	135,754	127,345	93,342	96,204	85,100	78,190	86,808	79,909	95,383	107,483	128,835	**1,252,556**
1979	141,996	134,741	113,598	90,488	92,923	81,236	79,447	85,586	79,400	96,676	98,682	114,948	**1,209,721**
1980	115,121	107,645	98,544	79,039	74,460	69,516	69,714	66,245	77,620	90,533	88,471	112,067	**1,048,975**
1981	127,383	94,456	90,027	75,951	74,733	73,930	73,708	74,019	75,378	86,900	86,413	99,578	**1,032,476**
1982	108,012	86,383	91,289	89,338	75,776	73,547	63,786	68,752	75,197	80,022	74,245	88,518	**974,865**
1983	86,692	77,827	91,369	80,921	72,980	75,715	70,362	77,348	77,262	80,931	86,209	104,310	**981,926**
1984	109,271	82,185	101,043	87,790	87,223	77,803	77,622	79,322	79,634	85,719	84,799	88,806	**1,041,217**
1985	107,419	93,248	95,890	83,934	80,820	77,816	75,518	81,719	77,251	89,927	82,413	100,870	**1,046,825**
1986	103,223	95,652	98,216	87,119	85,637	76,313	80,364	81,246	76,205	90,271	86,309	103,184	**1,083,739**
1987	102,618	93,671	96,590	89,736	83,198	83,690	84,113	79,154	85,130	97,691	87,966	102,857	**1,086,414**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Distillate Fuel Oil Demand by Sector
Millions of barrels

	Residential	Commercial	Industrial	Transportation	Electric Utilities	Total
1960	269	85	174	153	4	685
1961	276	87	175	153	3	694
1962	290	90	183	166	3	732
1963	289	90	181	183	4	747
1964	280	87	184	195	4	750
1965	294	92	197	188	5	776
1966	291	91	210	200	5	797
1967	305	95	212	199	7	818
1968	317	98	210	239	11	875
1969	316	98	214	257	15	900
1970	322	101	211	269	24	927
1971	326	102	217	292	34	971
1972	343	108	237	333	45	1,086
1973	344	110	252	381	4[illegible]	1,129
1974	317	102	231	378	48	1,076
1975	310	101	230	364	36	1,041
1976	341	113	263	393	37	1,147
1977	342	116	295	427	43	1,223
1978	335	114	300	460	44	1,253
1979	279	100	303	499	27	1,208
1980	226	89	227	480	27	1,049
1981	197	78	238	498	21	1,032
1982	180	75	225	479	16	975
1983	159	112	196	499	16	982
1984	165	117	205	540	14	1,041
1985	171	107	204	550	15	1,047
1986	174	102	206	567	15	1,064

Note: May not add to totals due to independent rounding.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Demand for Residual Fuel Oil
Total U.S.
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	3,306.0	3,381.6	3,083.5	2,476.5	2,521.5	2,607.1	2,411.7	2,755.5	2,676.0	2,590.0	3,157.6	2,944.0	2,825.9
1974	3,035.5	2,991.3	2,555.8	2,437.0	2,259.9	2,404.9	2,473.1	2,529.3	2,475.0	2,611.2	2,935.4	2,983.4	2,641.0
1975	3,253.1	2,848.6	2,668.6	2,232.5	2,086.8	2,177.0	2,219.8	2,156.8	2,328.2	2,268.4	2,405.4	2,911.7	2,463.1
1976	3,117.8	3,076.8	2,779.3	2,495.6	2,439.5	2,508.9	2,548.3	2,678.2	2,526.4	2,547.1	3,253.2	3,644.6	2,801.3
1977	3,761.2	3,718.8	3,185.3	2,873.6	2,729.1	2,957.6	2,812.3	3,048.6	2,926.4	2,707.1	2,818.6	3,353.6	3,074.4
1978	3,517.6	3,973.5	3,539.7	3,002.8	2,686.5	2,625.1	2,771.6	2,928.7	2,715.8	2,620.8	2,844.8	3,106.7	3,027.8
1979	3,559.5	3,595.2	3,239.2	2,507.3	2,502.7	2,582.7	2,451.1	2,549.5	2,608.8	2,539.5	2,815.0	3,012.5	2,830.3
1980	3,067.4	3,104.8	2,658.3	2,444.4	2,234.8	2,320.7	2,290.7	2,286.2	2,358.5	2,226.9	2,451.0	2,679.3	2,510.2
1981	2,895.7	2,587.9	2,126.2	1,867.5	1,817.5	2,037.2	1,971.1	1,852.3	1,882.4	1,884.0	1,908.7	2,249.8	2,090.0
1982	2,184.8	2,344.2	1,903.1	1,922.8	1,559.8	1,500.9	1,550.0	1,530.4	1,470.4	1,490.1	1,590.9	1,598.4	1,720.5
1983	1,626.1	1,570.1	1,578.8	1,374.1	1,342.3	1,323.0	1,299.2	1,399.6	1,350.8	1,242.6	1,361.6	1,587.5	1,421.3
1984	1,978.9	1,651.2	1,619.1	1,384.0	1,237.1	1,343.5	1,192.5	1,261.3	1,168.1	1,066.2	1,352.5	1,189.2	1,370.3
1985	1,479.8	1,366.0	1,190.1	1,125.7	1,156.3	1,043.5	1,058.0	1,168.5	1,030.9	1,041.9	1,289.5	1,483.0	1,202.8
1986	1,407.1	1,477.5	1,434.6	1,402.3	1,344.8	1,376.6	1,508.1	1,485.3	1,295.9	1,258.9	1,390.8	1,637.8	1,418.3
1987	1,504.1	1,515.0	1,234.0	1,182.2	1,028.9	1,207.5	1,339.1	1,176.4	1,296.5	1,068.7	1,204.8	1,434.5	1,266.0

Demand for Residual Fuel Oil
Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	102,485	94,684	95,589	74,296	78,165	78,214	74,764	85,419	80,279	80,290	94,729	91,263	1,030,177
1974	94,102	83,755	79,229	73,111	70,057	72,147	76,665	78,407	74,250	80,948	88,061	92,484	963,216
1975	100,845	79,762	82,727	66,974	64,690	65,310	68,814	66,860	69,846	70,320	72,162	90,262	898,572
1976	96,653	89,227	86,157	74,868	75,624	75,268	78,997	83,023	75,793	78,961	97,595	112,982	1,025,148
1977	116,598	104,126	98,743	86,209	84,603	88,729	87,181	94,506	87,793	83,920	84,557	103,962	1,120,927
1978	109,047	111,259	109,731	90,083	83,280	78,754	85,920	90,789	81,473	81,244	85,344	96,309	1,103,233
1979	110,346	100,665	100,415	75,219	77,584	77,480	75,984	79,035	78,264	78,726	84,451	93,388	1,031,557
1980	95,089	90,040	82,406	73,331	69,278	69,620	71,012	70,871	70,756	69,035	73,531	83,057	918,026
1981	89,767	72,462	65,911	56,026	56,342	61,115	61,105	57,421	56,472	58,404	57,260	69,745	762,030
1982	67,729	65,637	58,996	57,685	48,355	45,027	48,051	47,443	44,113	46,194	47,728	49,551	626,509
1983	50,410	43,964	48,942	41,222	41,612	39,690	40,274	43,389	40,525	38,521	40,847	49,211	518,607
1984	61,345	47,886	50,192	41,520	38,350	40,306	36,966	39,101	35,042	33,052	40,574	36,866	501,200
1985	45,874	38,247	36,892	33,772	35,846	31,304	32,799	36,222	30,926	32,300	38,686	45,973	438,841
1986	43,620	41,371	44,473	42,069	41,689	41,299	46,752	46,043	38,878	39,026	41,724	50,773	517,717
1987	46,627	42,421	38,254	35,466	31,897	36,224	41,511	36,467	38,894	33,131	36,145	44,469	461,506

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines. Energy Information Administration

Residual Fuel Oil Demand by Sector
Millions of barrels

	Residential	Commercial	Industrial	Transportation	Electric Utilities	Total
1960	0	89	252	134	84	**559**
1961	0	90	242	132	85	**549**
1962	0	90	244	126	86	**546**
1963	0	87	244	119	89	**539**
1964	0	86	248	124	97	**555**
1965	0	103	252	123	109	**587**
1966	0	109	259	124	134	**626**
1967	0	114	253	131	154	**652**
1968	0	112	250	128	178	**668**
1969	0	111	254	121	236	**722**
1970	0	114	258	121	311	**804**
1971	0	107	257	111	363	**838**
1972	0	103	280	103	440	**926**
1973	0	106	295	116	513	**1,030**
1974	0	94	275	111	483	**963**
1975	0	78	240	113	468	**899**
1976	0	90	290	131	514	**1,025**
1977	0	94	308	145	574	**1,121**
1978	0	85	273	157	588	**1,103**
1979	0	80	263	195	494	**1,032**
1980	0	90	215	222	391	**918**
1981	0	66	172	194	330	**762**
1982	0	63	166	162	236	**627**
1983	0	33	126	131	229	**519**
1984	0	33	139	139	190	**501**
1985	0	30	120	130	159	**439**
1986	0	39	132	130	217	**518**

Note: May not add to totals due to independent rounding.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Demand for Liquified Petroleum Gases & Ethane
Total U.S.
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	1,970.8	1,833.3	1,381.8	1,273.7	1,239.1	1,120.8	1,076.1	1,244.0	1,264.5	1,461.9	1,668.6	1,574.9	**1,425.8**
1974	1,744.8	1,554.4	1,371.4	1,283.8	1,142.2	1,220.2	1,150.0	1,185.1	1,325.8	1,458.2	1,572.0	1,663.7	**1,389.3**
1975	1,680.4	1,486.7	1,379.3	1,216.7	980.3	978.9	1,167.7	1,188.2	1,233.8	1,404.4	1,404.9	1,739.5	**1,321.7**
1976	1,844.3	1,502.0	1,285.5	1,185.5	1,121.5	1,093.9	1,089.5	1,196.4	1,223.2	1,481.6	1,732.8	1,907.5	**1,388.6**
1977	1,913.9	1,898.2	1,332.9	1,206.2	1,147.4	1,222.3	1,111.8	1,158.5	1,182.7	1,389.7	1,565.0	1,739.8	**1,405.7**
1978	1,854.3	1,788.6	1,413.4	1,149.7	1,156.2	1,109.5	1,109.5	1,073.1	1,323.6	1,468.7	1,576.7	1,819.3	**1,403.6**
1979	2,076.1	1,999.8	1,648.4	1,385.2	1,341.1	1,270.4	1,346.8	1,421.2	1,382.1	1,637.4	1,707.8	1,819.0	**1,586.3**
1980	1,956.2	1,755.2	1,499.3	1,196.4	1,291.0	1,199.0	1,143.6	1,147.6	1,376.7	1,593.5	1,526.2	1,879.8	**1,463.7**
1981	1,913.2	1,769.5	1,530.5	1,307.7	1,278.8	1,304.4	1,228.8	1,160.5	1,438.2	1,556.3	1,495.4	1,623.9	**1,467.3**
1982	1,863.3	1,621.1	1,614.7	1,457.6	1,402.6	1,253.7	1,399.2	1,276.1	1,462.9	1,420.8	1,582.7	1,642.3	**1,499.7**
1983	1,939.3	1,713.3	1,377.1	1,260.3	1,262.6	1,240.6	1,354.4	1,288.9	1,530.9	1,467.0	1,640.3	2,038.1	**1,509.4**
1984	2,015.5	1,689.9	1,593.2	1,425.9	1,398.8	1,380.4	1,443.9	1,489.9	1,461.7	1,650.4	1,588.5	1,724.5	**1,571.9**
1985	1,937.3	1,865.0	1,587.5	1,368.3	1,352.6	1,432.4	1,420.5	1,409.1	1,509.9	1,793.7	1,620.2	1,901.1	**1,599.8**
1986	1,799.6	1,732.6	1,499.7	1,286.5	1,238.0	1,158.3	1,287.2	1,261.6	1,455.6	1,749.9	1,816.5	1,874.9	**1,513.4**
1987	1,971.1	1,788.9	1,550.0	1,493.2	1,287.7	1,400.0	1,534.5	1,371.5	1,621.6	1,710.9	1,735.1	1,887.1	**1,612.6**

Demand for Liquified Petroleum Gases & Ethane
Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	61,094	51,333	42,835	38,210	38,413	33,624	33,360	38,565	37,935	45,319	50,057	48,822	**519,567**
1974	54,088	43,524	42,512	38,515	35,407	36,605	35,651	36,738	39,773	45,205	47,161	51,576	**506,755**
1975	52,091	41,627	42,759	36,501	30,389	29,367	36,199	36,834	37,013	43,537	42,147	53,926	**482,390**
1976	57,172	43,557	39,850	35,564	34,768	32,816	33,774	37,088	36,695	45,930	51,985	59,132	**508,331**
1977	59,330	53,149	41,320	36,187	35,569	36,668	34,465	35,914	35,481	43,081	46,949	53,935	**512,048**
1978	57,482	50,080	43,816	34,491	35,843	33,284	34,396	33,266	39,709	45,530	47,302	56,399	**511,598**
1979	64,360	55,995	51,099	41,555	41,575	38,111	41,750	44,058	41,464	50,759	51,235	56,388	**578,349**
1980	60,641	50,900	46,479	35,893	40,022	35,969	35,451	35,576	41,301	49,398	45,785	58,274	**535,689**
1981	59,308	49,545	47,445	39,230	39,643	39,133	38,094	35,975	43,147	48,244	44,863	50,342	**534,989**
1982	57,762	45,392	50,057	43,728	43,480	37,611	43,374	39,558	43,886	44,045	47,480	50,911	**547,284**
1983	60,119	47,971	42,689	37,810	39,141	37,217	41,987	39,957	45,927	45,476	49,210	63,181	**550,685**
1984	62,480	49,006	49,389	42,778	43,364	41,412	44,761	46,188	43,851	51,163	47,654	53,458	**575,504**
1985	60,057	52,220	49,213	41,049	41,932	42,973	44,034	43,681	45,296	55,605	48,607	53,933	**583,600**
1986	55,789	48,512	46,490	38,594	38,378	34,749	39,903	39,109	43,669	54,246	54,496	58,122	**552,057**
1987	61,105	50,090	48,049	44,797	39,919	41,999	47,568	42,518	48,647	53,037	52,053	58,499	**588,281**

·Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Liquified Petroleum Gases Demand by Sector
Millions of barrels

	Residential	Commercial	Industrial	Transportation	Electric Utilities	Total
1960	85	15	122	5	0	227
1961	87	15	126	5	0	234
1962	95	17	138	5	0	255
1963	102	18	151	5	0	276
1964	105	19	165	6	0	295
1965	108	19	174	6	0	307
1966	115	20	183	6	0	324
1967	126	22	191	5	0	344
1968	136	24	220	6	0	386
1969	155	27	256	7	0	446
1970	153	27	260	7	0	447
1971	155	27	266	8	0	457
1972	167	29	314	10	0	520
1973	159	28	332	10	0	529
1974	146	26	330	11	0	513
1975	142	25	309	10	0	486
1976	148	26	330	10	0	514
1977	145	26	338	10	0	519
1978	141	25	342	8	0	516
1979	96	17	464	3	0	581
1980	88	16	429	5	0	538
1981	85	15	429	6	0	535
1982	82	14	443	8	0	547
1983	98	17	426	10	0	551
1984	105	19	438	14	0	576
1985	117	21	431	14	0	584
1986	113	20	406	12	0	552

Note: May not add to totals due to independent rounding.

Data from Oil & Gas Journal Energy Database
Source: Energy Information Administration

Worldwide Crude Oil Consumption
Thousands of barrels daily

	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977
United States	13,085	13,815	14,350	14,845	15,990	16,870	16,150	15,875	16,980	17,925
Canada	1,375	1,440	1,525	1,585	1,655	1,755	1,785	1,735	1,790	1,810
North America	**14,460**	**15,255**	**15,875**	**16,430**	**17,645**	**18,625**	**17,935**	**17,610**	**18,770**	**19,735**
Austria	150	160	185	205	215	235	210	215	230	225
Belgium & Luxembourg	440	500	560	570	620	635	560	535	560	565
Denmark	275	330	365	365	385	360	320	315	335	330
Finland	165	190	210	220	235	260	230	235	255	250
France	1,470	1,705	1,920	2,090	2,315	2,585	2,460	2,255	2,430	2,350
Greece	115	125	135	150	170	200	185	195	210	215
Iceland	10	10	10	10	10	15	15	10	10	10
Ireland	70	75	80	90	100	110	110	105	105	115
Italy	1,385	1,530	1,740	1,875	1,965	2,070	2,015	1,895	2,065	1,920
Netherlands	590	650	725	720	805	835	725	710	795	770
Norway	135	150	165	165	170	175	160	165	180	180
Portugal	70	80	95	115	120	130	135	140	145	150
Spain	435	495	565	635	655	790	820	865	970	930
Sweden	470	530	590	560	565	585	540	[illegible]	590	560
Switzerland	210	230	260	275	280	300	270	[illegible]	270	270
Turkey	130	140	155	180	200	250	255	[illegible]	310	340
United Kingdom	1,840	1,980	2,095	2,105	2,230	2,300	2,135	[illegible]	1,860	1,885
West Germany	2,135	2,420	2,655	2,745	2,885	3,070	2,760	[illegible]	,855	2,855
Western Europe	**10,095**	**11,300**	**12,510**	**13,075**	**13,925**	**14,905**	**13,905**	**13,[illegible]**	**4,175**	**13,920**
Australia	455	485	510	535	540	590	610	605	630	655
New Zealand	70	70	85	85	90	95	95	90	95	95
Australasia	**525**	**555**	**595**	**620**	**630**	**685**	**705**	**695**	**725**	**750**
Japan	2,850	3,390	4,000	4,435	4,735	5,460	5,270	5,020	5,190	5,350
Total OECD	**27,930**	**30,500**	**32,980**	**34,560**	**36,935**	**39,675**	**37,815**	**36,565**	**38,860**	**39,755**
Cyprus/Gibraltar/Malta	20	20	20	25	25	25	25	20	25	25
Latin America	2,325	2,510	2,645	2,820	3,060	3,355	3,495	3,520	3,570	3,820
Middle East	795	920	965	1,055	1,115	1,210	1,320	1,320	1,475	1,565
Africa	735	795	855	900	920	1,010	1,035	1,050	1,155	1,205
South Asia	455	535	540	565	585	635	600	610	665	705
South East Asia	830	905	1,030	1,135	1,285	1,465	1,510	1,535	1,675	1,805
Other Non-Communist	**5,160**	**5,685**	**6,055**	**6,500**	**6,990**	**7,700**	**7,985**	**8,055**	**8,565**	**9,125**
Total Non-Communist	**33,090**	**36,185**	**39,035**	**41,060**	**43,925**	**47,375**	**45,800**	**44,620**	**47,425**	**48,880**
China	300	400	560	725	855	1,065	1,225	1,350	1,530	1,630
USSR	4,515	4,815	5,310	5,655	6,115	6,595	7,280	7,520	7,780	8,125
Others	1,200	1,400	1,535	1,715	1,870	2,010	2,090	2,235	2,430	2,595
TotalCommunist	**6,015**	**6,615**	**7,405**	**8,095**	**8,840**	**9,670**	**10,595**	**11,105**	**11,740**	**12,350**
Total World	**39,105**	**42,800**	**46,440**	**49,155**	**52,765**	**57,045**	**56,395**	**55,725**	**59,165**	**61,230**

Worldwide Crude Oil Consumption
Thousands of barrels daily

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
United States	18,255	17,910	16,460	15,550	14,765	14,745	15,175	15,170	15,670	15,955
Canada	1,835	1,915	1,855	1,760	1,565	1,475	1,425	1,490	1,475	1,500
North America	**20,090**	**19,825**	**18,315**	**17,310**	**16,330**	**16,220**	**16,600**	**16,660**	**17,145**	**17,455**
Austria	240	250	245	225	210	205	200	200	215	220
Belgium & Luxembourg	585	560	540	500	475	435	420	430	485	485
Denmark	325	320	275	260	225	215	210	220	215	205
Finland	250	265	255	245	230	215	215	220	230	230
France	2,445	2,435	2,260	2,060	1,915	1,880	1,815	1,790	1,830	1,835
Greece	230	250	250	240	240	230	235	245	250	260
Iceland	10	15	10	10	10	10	10	10	10	10
Ireland	125	130	120	105	95	85	85	85	100	85
Italy	2,015	2,080	1,970	1,940	1,845	1,820	1,735	1,730	1,770	1,845
Netherlands	795	855	800	745	655	625	625	635	700	695
Norway	195	200	200	190	180	180	190	200	200	205
Portugal	150	165	170	180	195	195	195	180	195	195
Spain	955	1,015	1,070	1,040	990	1,010	955	925	925	935
Sweden	535	570	500	455	420	375	360	375	385	390
Switzerland	280	270	270	250	235	260	250	255	280	265
Turkey	315	300	300	315	335	330	370	345	375	445
United Kingdom	1,930	1,945	1,670	1,560	1,580	1,530	1,850	1,630	1,645	1,610
West Germany	2,960	3,050	2,725	2,465	2,355	2,340	2,330	2,390	2,530	2,430
Western Europe	**14,340**	**14,675**	**13,630**	**12,785**	**12,190**	**11,940**	**12,050**	**11,865**	**12,340**	**12,345**
Australia	655	665	630	625	610	590	610	590	610	625
New Zealand	95	90	90	85	85	80	85	80	85	95
Australasia	**750**	**755**	**720**	**710**	**695**	**670**	**695**	**670**	**695**	**720**
Japan	5,420	5,485	4,935	4,695	4,395	4,390	4,565	4,380	4,435	4,510
Total OECD	**40,600**	**40,740**	**37,600**	**35,500**	**33,610**	**33,220**	**33,910**	**33,575**	**34,615**	**35,030**
Cyprus/Gibraltar/Malta	25	30	30	30	30	30	35	35	40	45
Latin America	3,975	4,230	4,400	4,435	4,540	4,450	4,420	4,425	4,530	4,645
Middle East	1,620	1,495	1,625	1,780	2,050	2,285	2,155	2,150	2,150	2,175
Africa	1,290	1,360	1,450	1,525	1,610	1,630	1,630	1,700	1,695	1,750
South Asia	760	775	825	890	935	950	1,030	1,160	1,210	1,260
South East Asia	2,015	2,290	2,325	2,375	2,300	2,310	2,315	2,275	2,450	2,585
Other Non-Communist	**9,685**	**10,180**	**10,656**	**11,035**	**11,465**	**11,655**	**11,585**	**11,745**	**12,075**	**12,460**
Total Non-Communist	**50,285**	**50,895**	**48,255**	**46,535**	**45,075**	**44,875**	**45,495**	**45,320**	**46,690**	**47,490**
China	1,705	1,835	1,765	1,705	1,660	1,705	1,750	1,785	1,990	2,085
USSR	8,480	8,640	9,065	9,005	9,145	9,020	8,980	9,020	9,045	9,090
Others	2,675	2,755	2,730	2,625	2,575	2,500	2,490	2,525	2,535	2,575
Total Communist	**12,860**	**13,230**	**13,560**	**13,335**	**13,380**	**13,225**	**13,220**	**13,330**	**13,570**	**13,750**
Total World	**63,145**	**64,125**	**61,815**	**59,870**	**58,455**	**58,100**	**58,715**	**58,650**	**60,260**	**61,240**

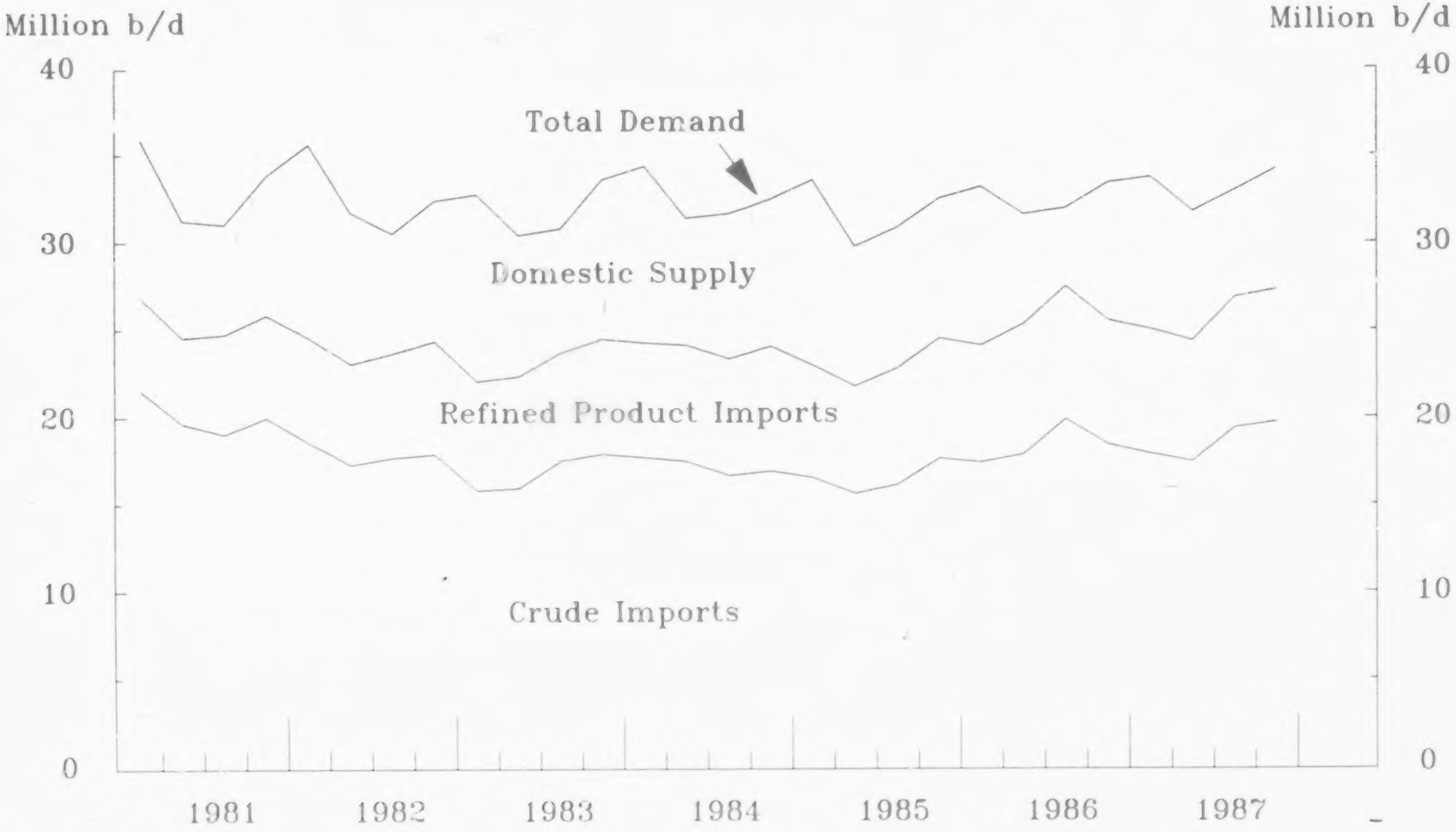
Data from Oil & Gas Journal Energy Database.
Source: British Petroleum

Non-Communist Consumption by Product
Thousands of barrels per day

	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Gasolines	7,644.4	7,831.9	7,489.2	7,077.2	6,896.6	6,815.6	6,908.2	7,047.1	7,070.2	7,276.3	7,503.1
Middle distillates	4,596.1	4,769.2	4,750.7	4,271.9	4,093.2	3,834.2	3,883.6	4,128.1	4,208.2	4,387.0	4,440.4
Fuel Oil	2,958.7	2,907.6	2 725.9	2,441.4	2.030.2	1,666.7	1,442.8	1,395.1	1,235.4	1,435.5	1,259.2
Others	3,103.7	2,937.0	3,025.1	2,707.5	2,538.7	2,454.2	2,549.7	2,672.7	2,647.0	2,667.2	2,837.9
United States	**18,302.9**	**18,445.7**	**17,990.9**	**16,498.0**	**15,558.7**	**14,770.7**	**14,784.3**	**15,243.0**	**15,160.8**	**15,766.0**	**16,040.6**
Gasolines	691.4	733.9	782.5	745.5	724.6	657.5	632.0	627.4	641.3	632.0	636.6
Middle distillates	549.4	554.8	556.8	565.1	513.7	474.7	443.8	433.6	456.2	443.8	447.9
Fuel Oil	290.7	286.4	275.3	260.7	205.6	179.9	141.3	141.3	102.8	113.8	123.0
Others	270.6	231.3	260.7	251.5	260.7	212.9	212.9	212.9	238.6	238.6	246.0
Canada	**1,802.1**	**1,806.4**	**1,875.3**	**1,822.8**	**1,704.6**	**1,525.0**	**1,430.0**	**1,415.2**	**1,438.9**	**1,428.2**	**1,453.5**
Gasolines	3,014.2	3,317.5	3,340.6	3,174.0	3,035.1	3,055.9	3,130.0	3,136.9	3,139.2	3,287.4	3,345.3
Middle distillates	4,941.8	5,151.4	5,184.2	4,787.7	4,534.9	4,350.0	4,378.8	4,547.3	4,600.7	4,824.7	4,855.5
Fuel Oil	4,049.4	3,987.0	4,102.6	3,733.6	3,291.3	2,907.6	2,481.8	2,358.8	2,164.2	2,175.2	2,046.7
Others	1,663.1	1,630.0	1,736.5	1,675.9	1,602.5	1,575.0	1,619.0	1,672.2	1,600.7	1,685.1	1,705.3
Western Europe	**13,668.5**	**14,085.9**	**14,363.9**	**13,371.2**	**12,463.8**	**11,888.5**	**11,609.6**	**11,715.2**	**11,504.8**	**11,972.4**	**11,952.8**
Gasolines	1,034.7	1,058.0	1,069.6	974.6	921.4	893.6	914.5	939.9	944.5	979.3	1,018.6
Middle distillates	1,141.9	1,237.0	1,263.7	1,230.8	1,245.2	1,191.8	1,224.7	1,329.5	1,306.8	1,368.5	1,417.8
Fuel Oil	2,371.8	2,285.3	2,270.7	1,899.9	1,674.1	1,446.5	1,402.4	1,398.7	1,145.4	1,086.7	1,046.3
Others	639.6	592.9	618.6	591.1	592.9	594.7	581.9	607.6	671.8	682.8	699.4
Japan	**5,188.0**	**5,173.2**	**5,222.6**	**4,696.4**	**4,433.6**	**4,126.6**	**4,123.5**	**4,275.7**	**4,068.5**	**4,117.3**	**4,182.1**
Gasolines	291.7	296.3	303.3	298.6	303.3	310.2	303.3	312.5	312.5	310.2	314.8
Middle distillates	217.8	215.8	217.8	209.6	201.4	207.5	197.3	209.6	213.7	224.0	232.2
Fuel Oil	132.2	128.5	130.3	110.1	102.8	80.8	69.8	69.8	53.2	47.7	44.1
Others	93.6	89.9	88.1	88.1	86.3	80.8	84.4	89.9	73.4	97.3	101.0
Australia & New Zealand	**735.3**	**730.5**	**739.5**	**706.4**	**693.8**	**679.3**	**654.8**	**681.8**	**652.8**	**679.2**	**692.1**
Gasolines	1,745.6	1,842.8	2,032.6	2,141.4	2,222.5	2,308.1	2,310.4	2,294.2	2,435.5	2,460.9	2,551.2
Middle distillates	3,092.5	3,267.1	3,306.2	3,497.3	3,659.6	3,908.2	4,045.9	4,052.1	4,148.6	4,276.0	4,450.7
Fuel Oil	2,929.6	3,105.9	3,328.0	3,460.1	3,502.4	3,511.5	3,500.5	3,399.6	3,329.8	3,390.4	3,451.0
Others	1,158.3	1,229.9	1,250.1	1,314.3	1,367.5	1,431.8	1,475.8	1,518.1	1,477.7	1,576.8	1,615.3
Other Non-Communist	**8,926.0**	**9,445.7**	**9,916.9**	**10,413.1**	**10,752.0**	**11,159.6**	**11,332.6**	**11,264.0**	**11,391.6**	**11,704.1**	**12,068.2**
Gasolines	14,402.0	15,080.4	15,017.8	14,411.3	14,103.4	14,040.9	14,198.3	14,360.4	14,543.3	14,946.1	15,369.7
Middle distillates	14,554.1	15,195.2	15,279.5	14,562.3	14,247.9	13,966.4	14,174.0	14,708.2	14,934.2	15,524.0	15,844.5
Fuel Oil	12,719.0	12,700.6	12,832.8	11,905.8	10,806.3	9,793.0	9,038.6	8,732.0	8,030.8	8,249.3	7,970.2
Others	6,509.1	6,711.0	6,979.0	6,628.4	6,448.5	6,349.4	6,523.8	6,789.9	6,709.2	6,947.8	7,204.8
Total Non-Communist	**48,184.2**	**49,687.2**	**50,109.1**	**47,507.8**	**45,606.1**	**44,149.7**	**43,934.7**	**44,590.5**	**44,217.5**	**45,687.2**	**46,389.2**

Data from Oil & Gas Journal Energy Database.
Source: British Petroleum

Total OECD Imports & Total Demand



Source: IEA

Net Consumption* of Refined Products
OECD by Country
Thousands of barrels per day

	1982				1983				1984			
	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.
Australia	565.4	610.9	550.3	559.3	520.2	554.9	562.8	561.7	548.5	598.1	578.0	574.8
Austria	227.3	204.5	207.1	229.4	194.0	206.4	217.6	242.0	200.7	206.0	205.8	226.9
Belgium	546.6	389.6	321.1	321.5	440.2	353.1	313.0	410.1	414.5	336.3	310.7	331.8
Canada	1,615.4	1,391.0	1,449.9	1,454.5	1,354.4	1,299.0	1,361.5	1,454.5	1,406.4	1,345.4	1,372.2	1,406.3
Denmark	287.7	209.9	194.5	240.3	240.3	206.8	193.0	241.7	256.4	196.6	184.2	233.5
Finland	231.7	203.3	205.4	226.9	200.1	174.1	209.7	214.8	214.3	175.5	208.2	188.9
France	2,014.2	1,744.1	1,532.0	1,868.0	1,960.2	1,718.2	1,455.9	1,916.9	2,001.7	1,577.1	1,405.3	1,723.6
Germany, West	2,436.0	2,245.1	2,262.7	2,227.3	2,294.2	2,239.9	2,138.2	2,316.9	2,268.9	2,235.7	2,321.6	2,194.4
Greece	239.2	207.8	220.7	252.7	223.8	196.1	219.4	251.3	234.7	201.9	219.6	249.7
Iceland	11.9	5.1	12.7	13.2	7.4	6.7	16.8	11.7	9.0	10.6	8.9	13.2
Ireland	104.9	93.9	88.7	99.1	90.5	85.1	79.8	90.5	82.4	78.8	80.6	82.6
Italy	2,028.5	1,630.0	1,563.2	1,841.0	1,894.1	1,565.6	1,561.4	1,929.8	1,892.4	1,437.8	1,474.3	1,685.1
Japan	5,401.5	4,159.2	3,845.9	4,350.9	4,685.5	3,704.1	3,978.9	4,526.6	5,173.9	3,877.8	4,037.5	4,438.1
Luxembourg	24.8	22.4	21.0	21.5	21.5	24.1	18.6	21.2	22.1	20.1	20.7	21.7
Netherlands	473.7	440.3	379.9	360.4	383.7	395.6	376.2	415.7	408.5	396.5	375.2	390.9
New Zealand	78.7	72.4	78.3	69.8	78.3	70.2	70.2	77.3	76.0	69.5	82.9	81.1
Norway	172.2	155.9	157.0	166.5	159.7	157.2	160.5	165.5	166.7	163.7	163.3	166.7
Portugal	178.8	186.7	189.1	184.3	193.1	184.1	176.4	182.0	181.7	177.8	184.1	175.7
Spain	1,050.7	965.1	977.8	1,071.8	1,032.9	965.2	925.1	1,104.7	1,000.0	924.3	821.7	735.8
Sweden	567.2	367.6	296.8	438.7	440.6	349.4	291.9	409.5	430.1	329.9	277.6	349.2
Switzerland	262.9	218.4	231.2	262.4	285.9	268.8	250.8	261.2	249.9	262.9	268.1	252.2
Turkey	324.0	311.3	335.0	359.4	324.6	338.3	348.8	376.6	329.2	326.2	352.4	366.7
United Kingdom	1,663.6	1,405.1	1,352.7	1,506.9	1,507.5	1,393.0	1,343.9	1,443.4	1,534.1	1,729.1	1,796.5	2,094.3
United States	15,046.6	14,389.9	13,970.4	14,220.6	14,158.4	13,898.2	14,466.9	14,892.4	15,194.2	14,665.9	14,839.0	14,427.9
Total OECD	35,553.1	31,829.4	30,443.2	32,346.2	32,891.0	30,354.3	30,737.3	33,518.1	34,298.1	31,[illegible]43.5	31,588.2	32,410.9

Net Consumption* of Refined Products
OECD by Country
Thousands of barrels per day

	1985				1986				1987			
	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.
Australia	549.9	592.0	540.3	577.7	534.7	595.5	576.4	579.9	559.9	594.1	596.0	611.2
Austria	223.2	177.9	210.1	217.3	199.8	192.7	231.8	242.1	243.5	187.6	215.4	218.3
Belgium	415.0	319.6	319.8	359.8	445.6	417.6	351.2	353.8	421.1	355.9	336.7	377.4
Canada	1,426.6	1,314.7	1,393.0	1,454.4	1,359.2	1,374.9	1,430.1	1,494.0	1,408.4	1,430.2	1,489.8	1,545.1
Denmark	282.4	197.1	189.4	235.9	261.4	192.3	205.6	223.9	242.3	179.8	174.2	212.6
Finland	240.0	180.9	186.4	211.9	212.4	194.3	247.5	223.6	257.5	188.2	209.3	216.4
France	1,927.1	1,474.9	1,445.9	1,726.2	1,887.2	1,586.5	1,566.0	1,714.6	1,888.6	1,539.3	1,530.2	1,793.5
Germany, West	2,238.2	2,276.4	2,519.9	2,268.4	2,472.4	2,791.4	2,375.7	2,144.6	2,348.5	2,302.3	2,449.5	2,250.5
Greece	243.3	198.2	236.9	242.7	217.5	194.2	212.5	245.6	253.3	196.3	224.6	231.0
Iceland	13.6	7.9	10.9	13.5	12.3	8.6	12.7	13.6	12.0	11.2	14.8	13.5
Ireland	86.4	75.4	79.4	98.3	93.9	101.1	106.6	107.3	97.1	80.9	76.0	76.0
Italy	1,912.2	1,382.7	1,490.1	1,848.0	1,773.6	1,423.7	1,509.5	1,918.3	2,022.2	1,509.8	1,623.0	1,723.8
Japan	4,756.7	3,579.8	3,880.9	4,392.5	4,748.9	3,646.2	3,789.5	4,654.2	4,703.0	3,739.7	4,016.3	4,594.4
Luxembourg	26.0	20.1	23.7	21.9	23.4	24.5	26.5	23.5	29.4	25.9	26.9	27.8
Netherlands	384.9	398.2	387.3	388.6	410.4	392.3	427.7	406.3	407.5	446.4	451.0	467.9
New Zealand	82.8	70.8	53.4	79.2	81.5	74.0	81.5	87.3	77.2	75.0	76.7	88.2
Norway	171.6	166.0	164.9	182.6	177.5	186.4	186.3	181.0	238.5	183.9	183.1	201.8
Portugal	157.1	145.4	175.7	190.8	170.0	177.9	188.8	182.5	183.0	189.0	203.4	173.9
Spain	808.2	741.0	732.6	841.1	760.7	720.1	705.3	783.2	792.0	706.0	749.9	807.6
Sweden	496.4	306.7	251.3	352.9	429.8	312.9	330.6	361.8	415.9	311.0	290.6	367.1
Switzerland	231.7	246.3	320.9	275.4	278.9	289.7	343.2	258.9	275.0	248.1	272.6	256.7
Turkey	337.4	330.1	420.0	385.8	353.9	353.7	421.3	414.4	406.7	389.9	455.7	477.5
United Kingdom	2,062.1	1,330.1	1,354.5	1,425.2	1,544.9	1,497.3	1,524.8	1,509.1	1,512.5	1,390.1	1,467.1	1,549.7
United States	14,592.8	14,339.7	14,544.6	14,805.4	14,801.0	14,909.0	15,186.9	15,342.5	14,993.7	15,571.2	15,891.4	16,005.9
Total OECD	**33,665.5**	**29,871.7**	**30,931.8**	**32,595.2**	**33,250.8**	**31,656.8**	**32,037.8**	**33,465.9**	**33,788.8**	**31,851.6**	**33.024.1**	**34,287.6**

* Net consumption excludes marine bunkers and refinery fuel.

Note: Data are converted from IEA reported figures in thousands of tonnes. U.S. figures do not match those reported elsewhere in this publication due to data conversion, difference in source and timing of data reporting.

Data from Oil & Gas Journal Energy Databas.
Source: International Energy Agency

Total Consumption of Refined Products by Sector
Total OECD
Thousands of barrels per day

	Industrial	Transportation	Electric Utilities	Energy (Producing)	Other Sectors (Resid. & Comm.)	Total Inland Consumption
1975	8,807.5	13,834.1	5,203.9	3.7	7,537.6	35,446.7
1976	10,100.0	14,674.2	5,397.0	34.0	7,431.7	37,635.2
1977	10,674.0	15,266.8	5,573.4	33.8	7,341.7	38,889.8
1978	10,628.1	15,906.2	5,742.5	42.9	7,439.4	39,759.1
1979	11,148.9	15,995.4	5,400.9	43.7	7,012.3	39,601.1
1980	9,714.4	15,554.8	4,739.3	42.6	6,307.3	36,358.4
1981	8,732.7	15,460.8	4,147.2	91.5	5,788.9	34,221.1
1982	7,989.9	15,391.4	3,543.2	96.0	5,441.6	32,462.0
1983	7,685.1	15,548.6	3,250.4	103.7	5,263.6	31,851.5
1984	7,708.3	16,028.2	3,251.0	103.7	5,443.3	32,534.5
1985	7,501.7	16,264.7	2,588.7	102.2	5,481.4	31,938.8
1986	7,568.6	16,866.1	2,716.6	89.5	5,595.9	32,836.6

Data from Oil & Gas Journal Energy Database.
Source: International Energy Agency

Net Gasoline Consumption
Thousands of barrels per day

	Canada	France	Italy	Japan	United Kingdom	United States	West Germany	Other OECD	Total OECD
1981									
1st Qtr	635.9	344.6	263.4	589.8	419.9	6,198.5	461.0	944.8	**9,857.9**
2nd Qtr.	696.0	406.0	288.0	584.4	444.7	6,680.4	487.4	1,041.2	**10,628.0**
3rd Qtr.	750.0	444.8	312.0	618.0	452.4	6,831.7	488.2	1,065.6	**10,962.7**
4th Qtr.	646.8	384.4	284.4	633.9	429.5	6,487.8	509.8	992.5	**10,369.2**
1982									
1st Qtr	576.6	344.8	265.5	594.7	416.7	6,273.5	517.8	957.9	**9,947.5**
2nd Qtr.	616.4	413.5	300.0	594.9	457.0	6,949.2	574.4	1,058.7	**10,964.1**
3rd Qtr.	669.2	447.1	307.8	615.5	467.3	6,766.8	564.6	1,092.1	**10,930.4**
4th Qtr.	599.9	379.2	274.0	626.6	454.1	6,632.9	559.6	1,024.4	**10,550.7**
1983									
1st Qtr	545.5	357.7	257.9	584.2	437.5	6,367.9	528.1	971.8	**10,050.7**
2nd Qtr.	603.4	400.8	282.6	595.1	460.4	6,763.8	571.2	1,033.1	**10,710.3**
3rd Qtr.	656.2	432.0	305.6	631.6	474.8	6,911.8	581.0	1,102.2	**11,095.2**
4th Qtr.	597.9	368.6	273.9	639.8	452.4	6,821.4	571.3	1,041.0	**10,766.2**
1984									
1st Qtr	539.9	366.2	256.1	600.9	442.8	6,466.5	532.1	987.5	**10,192.0**
2nd Qtr.	598.0	412.7	285.7	596.8	480.1	7,034.9	593.2	1,074.5	**11,076.0**
3rd Qtr.	633.7	432.8	296.3	639.5	483.4	6,995.0	585.0	1,119.1	**11,184.8**
4th Qtr.	589.2	374.3	271.5	634.5	475.2	6,727.5	588.0	1,059.3	**10,719.3**
1985									
1st Qtr	534.5	241.4	259.3	598.4	440.0	6,460.9	520.7	1,084.6	**10,139.7**
2nd Qtr.	607.7	406.3	285.3	604.5	480.8	6,970.6	589.4	1,079.4	**11,023.9**
3rd Qtr.	646.3	427.0	302.9	656.6	495.2	6,931.1	578.9	1,131.1	**11,169.1**
4th Qtr.	586.0	369.3	279.7	645.4	484.4	6,751.0	567.9	1,063.6	**10,747.3**
1986									
1st Qtr	505.2	351.8	255.4	608.6	555.0	6,491.7	531.6	916.6	**10,215.9**
2nd Qtr.	603.0	405.5	295.3	620.3	512.0	7,109.3	604.9	1,142.4	**11,292.6**
3rd Qtr.	637.2	435.7	305.5	671.8	517.4	7,158.1	612.7	1,204.2	**11,542.6**
4th Qtr.	579.2	386.0	278.0	661.2	512.2	7,018.5	603.1	1,124.6	**11,162.9**
1987									
1st Qtr	524.5	348.5	260.0	621.4	476.2	6,630.4	547.2	1,063.1	**10,471.2**
2nd Qtr.	596.3	406.7	296.5	641.3	528.3	7,400.5	625.2	1,167.9	**11,662.7**
3rd Qtr.	533.5	424.5	304.2	682.0	533.4	7,356.0	635.4	1,322.8	**11,791.7**
4th Qtr.	585.4	387.2	285.5	670.7	530.2	7,201.9	617.8	1,174.7	**11,453.4**

Note: Data are converted from IEA figures in thousands of tonnes. U.S. figures differ from those shown elsewhere in this publication due to data conversion, difference in source and timing of data reporting.

Data from Oil & Gas Journal Energy Database.
Source: International Energy Agency

Net Gas Oil/Diesel Oil Consumption
Thousands of barrels per day

	Canada	France	Italy	Japan	United Kingdom	United States	West Germany	Other OECD	Total OECD
1981									
1st Qtr.	586.1	999.9	618.4	824.6	397.9	3,172.6	1,148.1	1,646.8	**9,394.3**
2nd Qtr.	404.7	671.6	354.4	690.2	301.6	2,238.7	867.4	1,303.2	**6,831.7**
3rd Qtr.	369.4	421.5	382.8	661.1	278.7	2,331.7	1,018.8	1,211.4	**6,675.2**
4th Qtr.	478.2	836.1	548.6	773.9	389.5	2,805.8	1,053.5	1,558.8	**8,444.4**
1982									
1st Qtr.	572.5	882.4	592.6	797.1	415.4	2,991.1	1,111.5	1,654.9	**9,017.5**
2nd Qtr.	358.3	656.3	394.2	676.1	307.5	2,399.3	873.1	1,243.4	**6,908.2**
3rd Qtr.	341.2	495.9	389.2	645.7	285.2	2,033.6	964.8	1,232.4	**6,387.9**
4th Qtr.	420.9	721.2	538.6	744.8	363.0	2,408.2	937.9	1,449.6	**7,584.1**
1983									
1st Qtr.	448.6	857.4	553.4	788.4	393.7	2,660.7	1,061.1	1,454.6	**8,218.0**
2nd Qtr.	351.7	643.6	383.2	671.3	314.2	2,496.4	972.7	1,322.5	**7,155.5**
3rd Qtr.	326.5	468.8	418.7	674.2	294.0	2,348.8	866.7	1,242.9	**6,640.5**
4th Qtr.	447.1	788.3	604.6	793.5	360.3	2,853.9	1,010.7	1,573.5	**8,431.8**
1984									
1st Qtr.	486.3	916.9	617.8	882.7	399.5	2,999.7	1,020.5	1,541.5	**8,864.9**
2nd Qtr.	365.2	600.9	412.7	708.3	317.4	2,537.5	959.6	1,326.0	**7,227.6**
3rd Qtr.	321.5	494.4	424.1	706.0	308.2	2,466.0	1,042.2	1,281.9	**7,044.4**
4th Qtr.	427.3	712.0	568.7	807.2	381.7	2,731.7	932.2	1,484.7	**8,045.5**
1985									
1st Qtr.	473.1	945.9	686.9	866.3	432.2	3,086.1	1,010.3	1,610.7	**9,111.5**
2nd Qtr.	358.8	523.4	399.0	717.5	317.9	2,550.3	1,025.4	1,311.2	**7,203.4**
3rd Qtr.	335.5	529.9	459.1	712.2	313.8	2,396.4	1,224.8	1,355.7	**7,327.3**
4th Qtr.	436.3	736.1	636.7	847.9	361.3	2,790.5	1,050.6	1,594.3	**8,453.8**
1986									
1st Qtr.	444.7	909.9	602.1	896.9	417.7	3,071.9	1,274.5	1,629.2	**9,246.8**
2nd Qtr.	351.9	621.2	433.3	742.9	335.4	2,594.1	1,417.0	1,481.7	**7,977.5**
3rd Qtr.	335.5	606.9	412.5	748.3	327.1	2,395.5	1,045.9	1,504.6	**7,376.4**
4th Qtr.	423.3	728.4	616.1	896.7	357.3	2,834.2	870.6	1,585.7	**8,312.2**
1987									
1st Qtr	416.2	868.8	738.2	943.2	399.6	3,005.7	1,144.6	1,683.6	**9,200.0**
2nd Qtr.	358.2	584.0	489.1	782.4	332.9	2,631.9	1,089.9	1,440.7	**7,709.1**
3rd Qtr.	338.9	594.5	494.8	798.5	316.7	2,505.5	1,203.7	1,412.9	**7,665.5**
4th Qtr.	426.2	782.4	640.9	968.9	367.2	2,940.1	1,022.2	1,677.9	**8,825.9**

Note: Data are converted from IEA data in thousands of tonnes. U.S. figures differ from those reported elsewhere in this publication due to data conversion, difference in source and timing of data reporting.

Data from Oil & Gas Journal Energy Database.
Source: International Energy Agency

Net* Consumption of Heavy Fuel Oil
Thousands of barrels per day

	Canada	France	Italy	Japan	United Kingdom	United States	West Germany	Other OECD	Total OECD
1981									
1st Qtr.	246.7	439.4	842.3	1,344.5	351.0	2,078.7	345.5	1,613.5	**7,261.6**
2nd Qtr.	220.8	237.5	620.5	1,013.9	242.1	1,453.5	241.4	1,186.4	**5,216.0**
3rd Qtr.	186.1	234.8	529.3	1,150.4	217.4	1,408.2	257.1	1,085.3	**5,068.8**
4th Qtr.	243.6	439.5	695.7	1,144.4	329.2	1,516.2	322.7	1,371.5	**6,062.6**
1982									
1st Qtr.	188.6	344.8	746.8	1,197.0	407.0	1,756.0	310.7	1,398.9	**6,349.8**
2nd Qtr.	182.5	246.2	560.0	898.9	257.9	1,299.4	251.2	1,109.2	**4,805.2**
3rd Qtr.	150.2	214.3	494.8	984.5	222.6	1,223.0	224.4	946.4	**4,460.1**
4th Qtr.	175.9	306.9	615.8	996.0	296.0	1,314.9	249.6	1,149.1	**5,104.2**
1983									
1st Qtr.	152.0	279.4	696.7	1,036.1	264.6	1,411.2	248.9	1,159.8	**5,248.6**
2nd Qtr.	119.0	195.9	525.8	808.1	215.7	1,060.6	190.7	868.6	**3,984.4**
3rd Qtr.	117.4	126.7	478.3	978.7	190.4	1,095.2	184.5	793.1	**3,964.1**
4th Qtr.	142.8	265.0	636.0	960.2	244.0	1,163.3	217.3	1,031.4	**4,660.0**
1984									
1st Qtr.	143.9	257.5	644.0	1,103.8	258.6	1,516.6	219.8	1,049.3	**5,193.5**
2nd Qtr.	119.1	150.6	406.3	832.8	485.5	1,063.8	183.9	817.3	**4,059.2**
3rd Qtr.	106.9	111.3	437.0	952.2	537.9	951.0	179.4	724.0	**3,999.6**
4th Qtr.	127.9	192.1	458.6	838.5	742.7	900.9	178.7	763.1	**4,202.5**
1985									
1st Qtr.	125.1	202.5	586.7	923.4	686.9	1,060.1	222.2	950.0	**4,756.7**
2nd Qtr.	91.2	120.8	340.8	661.8	167.4	829.6	164.9	638.8	**3,015.2**
3rd Qtr.	70.1	82.6	382.1	786.1	153.4	879.0	166.4	609.1	**3,128.7**
4th Qtr.	122.1	165.3	542.1	742.5	187.8	988.6	171.4	771.5	**3,691.2**
1986									
1st Qtr.	100.6	172.6	546.6	775.4	234.1	1,147.4	194.8	821.6	**3,993.3**
2nd Qtr.	102.9	101.1	342.7	592.0	224.1	1,103.4	212.5	637.1	**3,315.9**
3rd Qtr.	77.5	81.5	408.9	711.0	219.5	1,197.1	194.1	641.6	**3,531.1**
4th Qtr.	118.3	124.0	568.3	836.7	224.0	1,155.5	193.4	766.8	**3,986.9**
1987									
1st Qtr.	123.2	189.9	596.0	765.1	198.9	1,142.1	199.9	882.7	**4,097.8**
2nd Qtr.	107.4	87.8	460.2	609.1	138.5	910.4	155.2	575.0	**3,043.6**
3rd Qtr.	98.1	72.5	540.9	720.6	172.8	1,010.4	139.6	548.1	**3,302.9**
4th Qtr.	126.8	132.9	507.6	703.8	220.8	929.3	159.5	666.6	**3,447.4**

* Net consumption excludes refinery fuel and marine bunkers.

Note: Data are converted from IEA figures in thousands of tonnes. U.S. figures differ from those elsewhere in this publication due to data conversion, difference in source and timing of data reporting.

Data from Oil & Gas Journal Energy Database.
Source: International Energy Agency

Non-Communist World Crude Oil Supply and Demand
Millions of barrels per day

	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Consumption															
North America	19.1	18.4	18.1	19.5	20.5	21.1	20.6	19.1	18.1	17.2	17.0	17.3	17.5	18.0	18.4
Europe	14.9	13.9	13.5	14.5	14.5	13.9	14.4	13.4	12.5	12.1	11.8	11.8	11.6	12.1	12.2
Pacific	6.5	6.5	6.0	6.2	6.4	6.5	6.6	6.2	5.9	5.3	5.1	5.3	5.1	5.1	5.1
Total OECD	40.5	38.8	37.6	40.2	41.4	41.5	41.6	38.7	36.5	34.6	33.9	34.4	34.2	35.2	35.7
Non-OECD	8.3	8.3	8.3	8.7	8.9	9.4	10.8	11.0	11.2	11.4	11.3	11.5	12.2	12.7	13.0
Total Consumption	**48.8**	**47.1**	**45.9**	**48.9**	**50.3**	**50.9**	**52.4**	**49.7**	**47.7**	**46.0**	**45.2**	**45.9**	**46.4**	**47.9**	**48.7**
Supply															
OECD *	13.9	13.3	12.7	12.7	13.4	14.1	14.7	14.8	15.0	15.5	16.0	16.7	17.0	16.9	16.8
Developing Countries *	2.7	2.8	2.9	3.2	3.7	4.5	5.3	5.8	6.4	7.2	7.5	8.0	8.5	8.5	8.9
Communist Net Exports	0.7	0.8	0.9	0.9	1.0	1.1	1.1	1.2	1.1	1.4	1.6	1.8	1.8	1.8	2.1
Processing Gains	0.5	0.5	0.5	0.7	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.1
Total Non-OPEC	17.8	17.4	17.0	17.5	18.9	20.7	22.1	22.8	23.5	25.1	26.1	27.5	28.4	28.3	28.9
OPEC Crude Production	30.9	30.7	27.1	30.4	31.1	29.9	30.7	26.6	22.4	18.6	17.3	17.2	15.9	17.9	17.7
OPEC NGL Production	0.4	0.4	0.5	0.6	0.7	0.7	0.9	1.0	1.1	1.2	1.2	1.3	1.3	1.6	1.7
Total OPEC	31.3	31.1	27.6	31.0	31.8	30.6	31.6	27.6	23.5	19.8	18.5	18.5	17.2	19.5	19.4
Total Supply	**49.1**	**48.5**	**44.6**	**48.5**	**50.7**	**51.3**	**53.7**	**50.4**	**47.0**	**44.9**	**44.6**	**46.0**	**45.6**	**47.8**	**48.3**
Supply/Demand Balance															
Private Stock Change OECD	0.3	1.0	0.0	0.1	0.7	-0.6	0.6	0.4	-0.6	-0.7	-0.7	-0.1	-0.4	0.3	0.2
Government Stock Change	0.0	0.0	0.0	0.0	0.1	0.3	0.1	0.1	0.4	0.2	0.2	0.3	0.1	0.1	0.1
Balancing Item	0.0	0.4	-1.3	-0.5	-1.2	0.7	0.6	0.2	-0.5	-0.6	-0.1	-0.1	-0.5	-0.5	-0.7
Total Balance	**0.3**	**1.4**	**-1.3**	**-0.4**	**-0.4**	**0.4**	**1.3**	**0.7**	**-0.7**	**-1.1**	**-0.6**	**0.1**	**-0.8**	**-0.1**	**-0.4**

* Total Liquids

Data from Oil & Gas Journal Energy Database.
Source: International Energy Agency

Natural Gas

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Total U.S. Natural Gas Production and Field Usage
Trillion cubic feet

	------Gross Production-------			Gas Used in		
	From Gas Wells	From Oil Wells	From All Wells	Reservoir Repressuring	Gas Vented or Flared	Marketed Production
1935	1.49	1.00	2.50	NA	0.48	1.96
1936	1.48	1.16	2.64	NA	0.39	2.23
1937	1.61	1.42	3.03	NA	0.43	2.47
1938	1.57	1.49	3.06	0.10	0.65	2.37
1939	1.83	1.50	3.33	0.17	0.68	2.64
1940	2.10	1.60	3.69	0.36	0.66	2.73
1941	2.49	1.61	4.10	0.64	0.63	2.89
1942	2.89	1.57	4.45	0.75	0.63	3.15
1943	3.23	1.93	5.16	0.82	0.90	3.52
1944	3.65	1.96	5.61	0.88	1.01	3.82
1945	3.89	2.01	5.90	1.06	0.90	4.04
1946	3.81	2.38	6.19	1.04	1.10	4.15
1947	3.77	2.96	6.73	1.08	1.04	4.58
1948	4.59	2.59	7.18	1.22	0.81	5.15
1949	4.99	2.56	7.55	1.27	0.85	5.42
1950	5.60	2.88	8.48	1.40	0.80	6.28
1951	6.48	3.21	9.69	1.44	0.79	7.46
1952	6.84	3.43	10.27	1.41	0.85	8.01
1953	7.10	3.55	10.65	1.44	0.81	8.40
1954	7.47	3.52	10.98	1.52	0.72	8.74
1955	7.84	3.88	11.72	1.54	0.77	9.41
1956	8.31	4.07	12.37	1.43	0.86	10.08
1957	8.72	4.19	12.91	1.42	0.81	10.68
1958	9.15	3.99	13.15	1.48	0.63	11.03
1959	10.10	4.13	14.23	1.61	0.57	12.05
1960	10.85	4.23	15.09	1.75	0.56	12.77
1961	11.20	4.27	15.46	1.68	0.52	13.25
1962	11.70	4.34	16.04	1.74	0.43	13.88
1963	12.61	4.37	16.97	1.84	0.38	14.75
1964	13.11	4.43	17.54	1.65	0.34	15.55
1965	13.52	4.44	17.96	1.60	0.32	16.04
1966	13.89	5.14	19.03	1.45	0.38	17.21
1967	15.35	4.91	20.25	1.59	0.49	18.17
1968	16.54	4.79	21.32	1.49	0.52	19.32
1969	17.49	5.19	22.68	1.46	0.53	20.70

Total U.S. Natural Gas Production and Field Usage
Trillion cubic feet

	------Gross Production-------			Gas Used in		
	From Gas Wells	From Oil Wells	From All Wells	Reservoir Repressuring	Gas Vented or Flared	Marketed Production
1970	18.59	5.19	23.79	1.38	0.49	21.92
1971	18.93	5.16	24.09	1.31	0.28	22.49
1972	19.04	4.97	24.02	1.24	0.25	22.53
1973	19.37	4.70	24.07	1.17	0.25	22.65
1974	18.67	4.18	22.85	1.08	0.17	21.60
1975	17.38	3.72	21.10	0.86	0.13	20.11
1976	17.19	3.75	20.94	0.86	0.13	19.95
1977	17.42	3.68	21.10	0.93	0.14	20.03
1978	17.39	3.91	21.31	1.18	0.15	19.97
1979	18.03	3.85	21.88	1.25	0.17	20.47
1980	17.57	4.30	21.87	1.37	0.13	20.18
1981	17.34	4.25	21.59	1.31	0.10	19.96
1982	15.80	4.41	20.21	1.39	0.09	18.52
1983	14.15	4.45	18.60	1.46	0.09	16.82
1984	15.51	4.69	20.19	1.63	0.11	18.23
1985	14.53	5.00	19.53	1.92	0.09	17.20
1986	14.15	4.92	19.06	1.84	0.10	16.79
1987	NA	NA	19.80	2.15	0.11	17.15

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Marketed Production of Natural Gas
Total U.S.

Year	Mmcf	Mmcfd
1930	1,978,911	5,421.7
1931	1,721,902	4,717.5
1932	1,593,798	4,354.6
1933	1,596,673	4,374.4
1934	1,815,796	4,974.8
1935	1,958,963	5,367.0
1936	2,225,477	6,080.5
1937	2,473,483	6,776.7
1938	2,368,201	6,488.2
1939	2,638,383	7,228.4
1940	2,733,819	7,469.5
1941	2,893,525	7,927.5
1942	3,145,694	8,618.3
1943	3,515,531	9,631.6
1944	3,815,024	10,423.6
1945	4,042,002	11,074.0
1946	4,152,762	11,377.4
1947	4,582,173	12,553.9
1948	5,148,020	14,065.6
1949	5,419,736	14,848.6
1950	6,282,060	17,211.1
1951	7,457,359	20,431.1
1952	8,013,457	21,894.7
1953	8,396,916	23,005.2
1954	8,742,546	23,952.2
1955	9,405,351	25,768.1
1956	10,081,920	27,546.2
1957	10,680,260	29,261.0
1958	11,030,250	30,219.9
1959	12,046,120	33,003.1
1960	12,771,040	34,893.6
1961	13,254,030	36,312.4
1962	13,876,620	38,018.1
1963	14,746,660	40,401.8
1964	15,546,590	42,477.0
1965	16,039,750	43,944.5
1966	17,206,630	47,141.5
1967	18,171,320	49,784.4
1968	19,322,400	52,793.4
1969	20,698,240	56,707.5
1970	21,920,640	60,056.5
1971	22,493,010	61,624.7
1972	22,531,700	61,562.0
1973	22,647,550	62,048.1
1974	21,600,520	59,179.5
1975	20,108,660	55,092.2
1976	19,952,440	54,514.9
1977	20,025,460	54,864.3
1978	19,974,030	54,723.4
1979	20,471,260	56,085.6
1980	20,179,720	55,135.8
1981	19,955,820	54,673.5
1982	18,519,670	50,738.8
1983	16,822,140	46,088.1
1984	18,229,640	49,807.8
1985	17,197,999	47,117.8
1986	16,808,753	46,051.4

Data from Oil & Gas Energy Database.
Source: Bureau of Mines, Energy Information Administration

Marketed Production of Natural Gas
Total U.S.
Millions of cubic feet per day

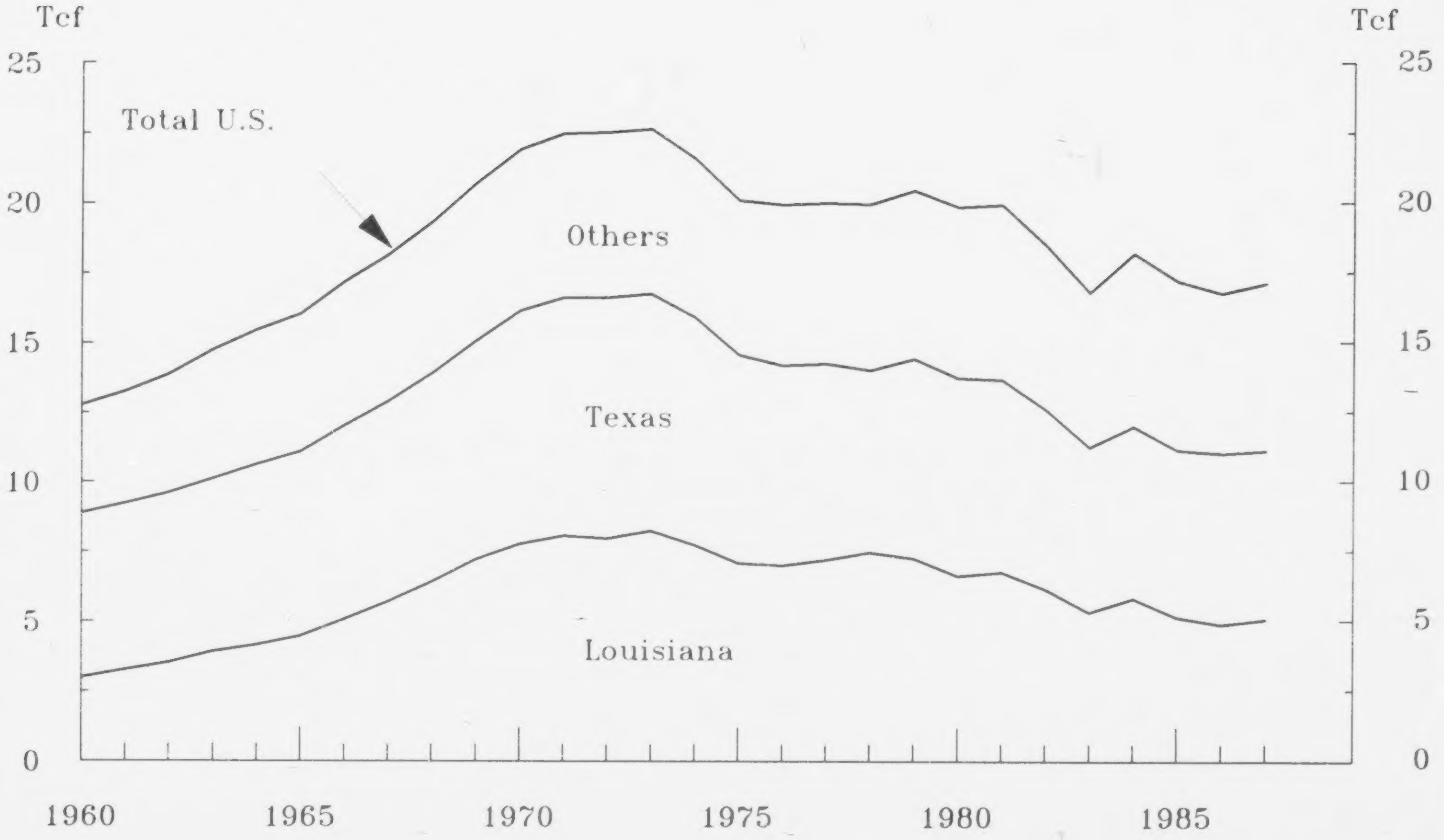
	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	64,322 6	65,035.7	62,967.7	62,133.3	61,225.8	61,300.0	60,645.2	61,161.3	61,333.3	60,483.9	62,100.0	62,129.0	**62,069.8**
1974	62,193.5	62,821.4	60,838.7	59,766.7	59,548.4	58,000.0	58,645.2	57,741.9	58,500.0	57,000.0	57,633.3	57,741.9	**59,202.6**
1975	57,354.8	58,571.4	56,129.0	55,900.0	54,483.9	54,466.7	54,096.8	54,096.8	53,433.3	53,096.8	53,933.3	55,806.5	**55,114.1**
1976	56,483.9	56,793.1	55,290.3	54,100.0	53,967.7	54,666.7	54,064.5	52,774.2	52,166.7	52,871.0	54,500.0	56,548.4	**54,518.9**
1977	56,129.0	59,785.7	56,483.9	54,800.0	54,580.6	54,933.3	54,000.0	53,064.5	53,266.7	52,516.1	53,533.3	55,645.2	**54,894.9**
1978	56,225.8	58,892.9	56,387.1	55,600.0	53,677.4	54,100.0	54,612.9	53,483.9	52,533.3	52,741.9	53,566.7	55,161.3	**54,748.6**
1979	57,129.0	59,142.9	56,612.9	56,400.0	55,354.8	54,766.7	53,612.9	54,483.9	54,500.0	55,000.0	57,466.7	58,806.5	**56,106.3**
1980	59,290.3	59,482.8	59,580.6	56,200.0	55,225.8	53,400.0	52,677.4	51,354.8	53,200.0	53,645.2	55,633.3	58,580.6	**55,689.2**
1981	57,161.3	56,821.4	56,548.4	56,400.0	55,354.8	55,100.0	54,290.3	55,612.9	53,166.7	53,548.4	53,333.3	56,064.5	**55,283.5**
1982	55,741.9	56,571.4	54,032.3	52,700.0	50,064.5	50,166.7	49,225.8	48,129.0	47,700.0	47,096.8	49,200.0	48,709.7	**50,778.2**
1983	49,548.4	48,321.4	45,193.5	44,100.0	42,838.7	42,266.7	43,483.9	45,161.3	45,466.7	46,451.6	48,566.7	51,774.2	**46,097.8**
1984	55,590.8	51,619.4	49,682.3	50,218.9	48,483.6	48,525.9	48,686.5	47,975.2	47,242.4	48,076.2	49,550.2	52,039.3	**49,807.6**
1985	52,759.9	53,054.2	47,860.6	46,575.7	44,621.2	44,517.0	44,139.0	44,043.6	44,614.9	44,965.7	46,605.6	52,032.1	**47,149.1**
1986	52,076.6	50,031.1	47,963.0	44,531.0	43,916.1	43,403.0	43,350.7	43,447.5	42,654.4	43,660.0	47,655.4	49,544.8	**46,019.5**
1987	50,804.6	50,510.9	48,282.5	46,778.4	44,717.3	44,467.1	44,020.4	44,684.7	44,119.1	45,287.7	48,784.4	51,612.9	**47,005.8**

Marketed Production of Natural Gas
Total U.S.
Millions of cubic feet

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	1,994,000	1,821,000	1,952,000	1,864,000	1,898,000	1,839,000	1,880,000	1,896,000	1,840,000	1,875,000	1,863,000	1,926,000	**22,648,000**
1974	1,928,000	1,759,000	1,886,000	1,793,000	1,846,000	1,740,000	1,818,000	1,790,000	1,755,000	1,767,000	1,729,000	1,790,000	**21,601,000**
1975	1,778,000	1,640,000	1,740,000	1,677,000	1,689,000	1,634,000	1,677,000	1,677,000	1,603,000	1,646,000	1,618,000	1,730,000	**20,109,000**
1976	1,751,000	1,647,000	1,714,000	1,623,000	1,673,000	1,640,000	1,676,000	1,636,000	1,565,000	1,639,000	1,635,000	1,753,000	**19,952,000**
1977	1,740,000	1,674,000	1,751,000	1,644,000	1,692,000	1,648,000	1,674,000	1,645,000	1,598,000	1,628,000	1,606,000	1,725,000	**20,025,000**
1978	1,743,000	1,649,000	1,748,000	1,668,000	1,664,000	1,623,000	1,693,000	1,658,000	1,576,000	1,635,000	1,607,000	1,710,000	**19,974,000**
1979	1,771,000	1,656,000	1,755,000	1,692,000	1,716,000	1,643,000	1,662,000	1,689,000	1,635,000	1,705,000	1,724,000	1,823,000	**20,471,000**
1980	1,838,000	1,725,000	1,847,000	1,686,000	1,712,000	1,602,000	1,633,000	1,592,000	1,596,000	1,663,000	1,669,000	1,816,000	**20,379,000**
1981	1,772,000	1,591,000	1,753,000	1,692,000	1,716,000	1,653,000	1,683,000	1,724,000	1,595,000	1,660,000	1,600,000	1,738,000	**20,177,000**
1982	1,728,000	1,584,000	1,675,000	1,581,000	1,552,000	1,505,000	1,526,000	1,492,000	1,431,000	1,460,000	1,476,000	1,510,000	**18,520,000**
1983	1,536,000	1,353,000	1,401,000	1,323,000	1,328,000	1,268,000	1,348,000	1,400,000	1,364,000	1,440,000	1,457,000	1,605,000	**16,823,000**
1984	1,723,316	1,496,962	1,540,151	1,506,568	1,502,993	1,455,778	1,509,282	1,487,231	1,417,272	1,490,363	1,486,505	1,613,217	**18,229,638**
1985	1,635,558	1,485,517	1,483,680	1,397,270	1,383,257	1,335,509	1,368,309	1,365,351	1,338,448	1,393,938	1,398,167	1,612,995	**17,197,999**
1986	1,614,376	1,400,872	1,486,854	1,335,930	1,361,399	1,302,090	1,343,873	1,346,871	1,279,631	1,353,461	1,429,661	1,535,888	**16,790,906**
1987	1,574,943	1,414,304	1,496,759	1,403,352	1,386,236	1,334,012	1,364,632	1,385,225	1,323,573	1,403,918	1,463,532	1,600,000	**17,150,486**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Natural Gas Production



Source: BOM, EIA

Marketed Natural Gas Production by State
Million cubic feet

	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969
Alabama	57	56	128	177	165	203	252	248	230	180
Alaska	246	631	2,184	4,498	6,238	7,255	11,267	14,438	17,343	50,864
Arizona	NA	NA	230	1,334	2,014	3,106	3,161	1,255	881	1,136
Arkansas	55,451	59,547	66,213	76,101	75,753	82,831	105,174	116,522	156,627	169,257
California	517,535	556,241	564,220	646,486	660,444	660,384	689,607	681,080	714,893	677,689
Colorado	107,404	108,142	101,826	105,705	113,691	126,381	136,667	116,857	121,424	118,754
Florida	30	29	29	35	40	107	212	123	108	50
Illinois	11,666	9,970	10,650	9,459	7,824	7,396	7,230	5,144	4,380	3,800
Indiana	342	382	284	286	199	239	215	198	234	171
Kansas	634,410	649,083	694,352	732,946	764,073	793,373	847,495	871,971	835,555	883,156
Kentucky	75,329	70,937	70,241	74,634	76,940	78,976	76,536	89,168	89,024	81,304
Louisiana	2,988,414	3,271,857	3,525,456	3,928,427	4,152,731	4,466,786	5,081,435	5,716,857	6,416,015	7,227,826
Maryland	4,065	3,578	2,472	1,633	1,373	408	696	621	864	978
Michigan	20,790	27,697	28,987	32,850	31,388	34,558	34,120	33,589	40,480	36,163
Mississippi	172,478	172,543	170,271	176,807	180,428	166,825	156,652	139,497	135,051	131,234
Missouri	75	90	92	100	107	84	NA	121	14	126
Montana	33,418	33,901	29,955	30,026	25,051	28,105	30,685	25,866	19,313	41,229
Nebraska	15,258	15,743	14,880	13,051	11,094	10,720	10,196	8,453	8,129	6,989
New Mexico	798,928	789,662	804,612	808,377	873,947	937,205	998,076	1,067,510	1,164,182	1,138,133
New York	4,990	5,742	4,262	3,962	3,108	3,340	2,699	3,837	4,632	4,861
North Dakota	19,483	20,100	25,155	32,798	34,512	35,652	46,585	40,462	41,023	33,587
Ohio	36,074	36,423	36,747	36,817	37,106	35,684	43,133	41,315	42,673	49,793
Oklahoma	824,266	892,697	1,060,717	1,233,883	1,316,201	1,320,995	1,351,225	1,412,952	1,390,884	1,523,715
Oregon	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pennsylvania	113,928	100,427	90,053	92,657	81,720	84,461	90,914	89,966	87,987	79,134
South Dakota	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tennessee	63	71	75	90	77	85	NA	58	48	57
Texas	5,892,704	5,963,605	6,080,210	6,205,034	6,490,202	6,636,555	6,953,790	7,188,900	7,495,414	7,853,199
Utah	51,040	57,175	74,128	77,122	79,739	71,616	69,366	48,965	46,151	46,733
Virginia	2,227	2,466	2,499	2,085	1,600	3,152	4,249	3,818	3,389	2,846
West Virginia	208,757	210,556	210,698	210,223	202,765	207,416	211,610	211,460	236,971	231,759
Wyoming	181,610	194,674	204,996	209,060	231,613	235,849	243,381	240,074	248,481	303,517
Total U.S.	**12,771,038**	**13,254,025**	**13,876,622**	**14,746,663**	**15,462,143**	**16,039,753**	**17,206,628**	**18,171,325**	**19,322,400**	**20,698,240**

Marketed Natural Gas Production by State
Million cubic feet

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Alabama	627	355	3,644	11,271	27,865	37,814	41,427	57,227	85,599	85,815
Alaska	111,576	121,618	125,596	131,007	128,935	160,270	166,072	187,889	203,088	220,754
Arizona	1,101	868	442	125	224	208	262	240	286	247
Arkansas	181,351	172,154	166,522	157,529	123,975	116,237	109,533	104,096	106,792	109,452
California	649,117	612,629	487,278	449,369	365,354	318,308	354,334	311,462	311,084	248,206
Colorado	105,804	108,537	116,949	137,725	144,629	171,629	183,972	188,792	183,693	191,239
Florida	0	903	15,521	33,857	38,137	44,383	43,165	48,171	51,595	50,190
Illinois	4,850	498	1,194	1,638	1,436	1,440	1,556	1,003	1,159	1,585
Indiana	153	537	355	276	176	346	192	183	163	350
Kansas	899,955	885,144	889,268	893,118	886,782	843,625	829,170	781,289	854,484	797,762
Kentucky	77,892	72,723	63,648	62,396	71,876	60,511	66,137	60,902	70,044	59,520
Louisiana	7,788,276	8,081,907	7,972,678	8,242,423	7,753,631	7,090,645	7,006,596	7,215,006	7,476,497	7,266,217
Maryland	813	214	244	298	133	93	75	82	88	28
Michigan	38,851	25,662	34,221	44,579	69,133	102,113	119,262	129,954	148,047	159,731
Mississippi	126,031	118,805	103,989	99,706	78,787	74,345	70,762	82,995	106,579	144,077
Missouri	87	22	9	33	33	30	29	20	0	0
Montana	42,705	32,720	33,474	56,175	54,873	40,734	42,563	46,819	46,522	53,888
Nebraska	5,991	3,496	3,478	3,836	2,538	2,565	2,511	2,789	2,882	3,208
New Mexico	1,138,980	1,167,577	1,216,061	1,218,749	1,244,779	1,217,430	1,230,976	1,202,973	1,174,198	1,181,363
New York	3,358	2,202	3,679	4,539	4,990	7,628	9,235	10,682	13,900	15,500
North Dakota	34,889	33,864	32,472	27,703	31,206	24,786	31,470	29,173	30,499	18,468
Ohio	52,113	79,903	89,995	93,610	92,055	84,960	88,891	99,327	114,098	123,431
Oklahoma	1,594,943	1,684,260	1,806,887	1,770,980	1,638,942	1,605,410	1,726,513	1,769,519	1,773,582	1,835,366
Oregon	NA	NA	NA	0	0	0	0	0	0	2
Pennsylvania	76,841	76,451	73,958	78,514	82,637	84,676	89,386	91,717	97,763	96,313
South Dakota	NA	NA	0	0	0	0	0	0	0	914
Tennessee	64	89	25	20	17	27	47	263	468	941
Texas	8,357,716	8,550,705	8,657,840	8,513,850	8,170,798	7,485,764	7,191,859	7,051,027	6,548,184	7,174,623
Utah	42,781	42,418	39,474	42,715	50,522	55,354	57,416	60,696	58,416	58,605
Virginia	2,805	2,619	2,787	5,101	7,096	6,723	6,937	8,220	8,492	8,544
West Virginia	242,452	234,027	214,951	208,676	202,306	154,484	153,322	152,767	148,564	150,505
Wyoming	338,520	380,105	375,059	357,731	326,657	316,123	328,768	330,180	357,267	414,416
Total U.S.	**21,920,842**	**22,493,012**	**22,531,698**	**22,647,549**	**21,600,522**	**20,108,681**	**19,952,438**	**20,025,483**	**19,974,033**	**20,471,260**

Marketed Natural Gas Production by State
Million cubic feet

	1980	1981	1982	1983	1984	1985	1986	1987
Alabama	65,294	79,244	75,003	90,801	101,821	107,342	107,184	116,618
Alaska	230,588	242,564	261,364	276,691	289,129	321,346	304,841	359,743
Arizona	214	187	39	132	45	85	63	* NA
Arkansas	111,808	92,986	124,611	127,561	135,161	155,099	131,075	131,821
California	309,783	380,730	383,977	415,324	476,333	491,283	462,218	427,935
Colorado	188,001	195,706	209,892	163,545	173,257	178,233	163,684	158,796
Florida	40,638	32,470	22,515	21,056	12,585	10,545	8,833	8,430
Illinois	1,574	1,295	1,162	1,030	1,530	1,324	1,887	* NA
Indiana	463	330	233	135	394	367	365	* NA
Kansas	735,035	640,114	429,597	434,736	465,979	512,872	465,695	394,906
Kentucky	57,180	61,312	51,924	46,720	61,518	73,126	80,195	* NA
Louisiana	6,639,416	6,780,184	6,171,627	5,332,113	5,825,055	5,013,702	4,895,394	5,080,366
Maryland	68	56	36	31	60	39	20	* NA
Michigan	158,302	152,593	153,051	138,910	144,537	131,855	127,287	161,629
Mississippi	175,061	181,238	167,231	151,204	157,911	44,172	140,833	138,642
Missouri	0	0	NA	0	4	4	0	* NA
Montana	51,867	56,565	56,517	51,967	51,474	52,494	46,592	45,657
Nebraska	2,550	2,519	2,280	2,091	2,300	1,944	1,403	* NA
New Mexico	1,149,781	1,134,078	991,178	895,279	957,366	905,272	702,614	818,537
New York	15,643	16,074	15,877	17,836	25,200	31,561	29,964	* NA
North Dakota	42,346	42,573	53,818	69,319	70,496	72,633	55,098	62,836
Ohio	138,856	141,134	138,391	151,300	186,480	182,245	182,072	* NA
Oklahoma	1,891,824	2,019,199	1,934,412	1,730,061	1,985,869	1,936,341	1,917,493	1,950,016
Oregon	5	5	3	3	2,790	4,080	4,600	* NA
Pennsylvania	97,439	122,454	121,111	118,372	166,342	150,234	159,889	* NA
South Dakota	1,193	1,155	2,331	1,846	1,947	2,558	2,231	* NA
Tennessee	1,241	1,719	2,976	3,950	5,022	4,686	3,464	* NA
Texas	7,115,889	6,910,021	6,468,817	5,938,561	6,185,021	6,052,663	6,151,775	6,063,237
Utah	87,766	91,191	94,255	63,158	74,698	83,405	90,013	92,861
Virginia	7,812	8,903	6,880	4,346	8,901	15,041	15,427	* NA
West Virginia	156,551	161,251	150,850	130,078	143,730	144,883	135,431	115,856
Wyoming	409,541	410,499	424,657	443,988	516,683	41,656	403,266	491,300
Total U.S.	**19,883,729**	**19,960,349**	**18,519,675**	**16,822,144**	**18,229,638**	**17,197,999**	**16,790,906**	**17,150,486**

* 1987 production figures were not available for all states at time of publication. U.S. figure is estimate of total production for all states.

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

U.S. Imports & Exports of Natural Gas

Year	Imports		Exports		Year	Imports		Exports	
	Mmcf	Mmcfd	Mmcf	Mmcfd		Mmcf	Mmcfd	Mmcf	Mmcfd
1930	21	0.1	1,798	4.9	1959	133,990	367.1	18,413	50.4
1931	44	0.1	2,231	6.1	1960	155,646	425.3	11,332	31.0
1932	38	0.1	1,693	4.6	1961	218,860	599.6	10,747	29.4
1933	83	0.2	2,158	5.9	1962	401,534	1,100.1	15,814	43.3
1934	68	0.2	5,801	15.9	1963	406,204	1,112.9	16,957	46.5
1935	106	0.3	6,800	18.6	1964	443,326	1,211.3	19,603	53.6
1936	152	0.4	7,436	20.3	1965	456,394	1,250.4	26,132	71.6
1937	289	0.8	4,868	13.3	1966	479,780	1,314.5	24,639	67.5
1938	372	1.0	1,837	5.0	1967	564,226	1,545.8	81,614	223.6
1939	131	0.4	3,122	8.6	1968	651,885	1,781.1	93,745	256.1
1940	0	0.0	5,563	15.2	1969	726,951	1,991.6	51,304	140[illegible]
1941	0	0.0	7,466	20.5	1970	820,780	2,248.7	69,813	191.3
1942	0	0.0	8,702	23.8	1971	934,548	2,560.4	80,212	219.8
1943	0	0.0	11,210	30.7	1972	1,019,496	2,785.5	78,013	213.2
1944	0	0.0	14,576	39.8	1973	1,032,901	2,829.9	77,169	211.4
1945	0	0.0	18,207	49.9	1974	959,284	2,628.2	76,789	210.4
1946	0	0.0	17,675	48.4	1975	953,008	2,611.0	72,675	199.1
1947	0	0.0	18,149	49.7	1976	963,768	2,633.2	64,711	176.8
1948	0	0.0	18,704	51.1	1977	1,011,001	2,769.9	55,626	152.4
1949	0	0.0	20,054	54.9	1978	965,545	2,645.3	52,532	143.9
1950	0	0.0	25,727	70.5	1979	1,253,383	3,433.9	55,673	152.5
1951	0	0.0	24,163	66.2	1980	984,767	2,690.6	48,731	133.1
1952	7,807	21.3	27,456	75.0	1981	903,949	2,476.6	59,372	162.7
1953	9,225	25.3	28,322	77.6	1982	933,336	2,557.1	51,728	141.7
1954	6,847	18.8	28,726	78.7	1983	919,752	2,519.9	54,638	149.7
1955	10,888	29.8	31,029	85.0	1984	843,060	2,303.4	54,753	149.6
1956	10,380	28.4	35,963	98.3	1985	949,715	2,602.0	55,268	151.4
1957	37,941	103.9	41,655	114.1	1986	749,378	2,053.1	61,27[illegible]	167.9
1958	135,797	372.0	38,719	106.1	1987	1,006,790	2,758.3	53,671	147.0

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

U.S. Natural Gas Imports and Exports
By Country
Million cubic feet

	Imports					Exports			
	Natural Gas from Canada	Natural Gas from Mexico	LNG from Algeria	LNG from Other	Total U.S. Imports	Natural Gas to Canada	Natural Gas to Mexico	LNG to Japan	Total U.S. Exports
1955	10,881	7	0	0	10,888	11,467	19,562	0	31,029
1956	10,374	6	0	0	10,380	16,819	19,144	0	35,963
1957	20,971	16,970	0	0	37,941	30,867	10,788	0	41,655
1958	89,586	46,211	0	0	135,797	32,129	6,590	0	38,719
1959	83,061	50,929	0	0	133,990	11,739	6,674	0	18,413
1960	108,657	46,989	0	0	155,646	5,759	5,573	0	11,332
1961	167,104	51,756	0	0	218,860	5,577	5,170	0	10,747
1962	350,438	51,096	0	0	401,534	5,574	10,240	0	15,814
1963	356,455	49,749	0	0	406,204	6,879	10,078	0	16,957
1964	390,721	52,605	0	0	443,326	9,763	9,840	0	19,603
1965	404,686	51,708	0	0	456,394	17,979	8,153	0	26,132
1966	430,189	49,591	0	0	479,780	20,281	4,358	0	24,639
1967	513,255	50,971	0	0	564,226	70,456	11,158	0	81,614
1968	604,462	47,423	NA	0	651,885	81,647	12,098	0	93,745
1969	680,106	46,845	NA	0	726,951	34,931	13,391	2,982	51,304
1970	778,687	41,336	757	NA	820,780	10,878	14,678	44,257	69,813
1971	910,926	20,689	1,433	*1,500	934,548	14,349	15,632	50,231	80,212
1972	1,009,093	8,140	2,032	*230	1,019,496	15,553	14,579	47,882	78,013
1973	1,027,216	1,632	3,388	*667	1,032,901	14,824	13,999	48,346	77,169
1974	959,063	222	0	0	959,284	13,263	13,268	50,258	76,789
1975	948,115	0	4,893	0	953,008	10,219	9,454	53,002	72,675
1976	953,613	0	10,155	0	963,768	7,506	7,425	49,779	64,711
1977	996,723	2,384	11,324	*572	1,011,001	31	3,940	51,655	55,626
1978	881,123	0	84,422	0	965,545	66	4,033	48,434	52,532
1979	1,000,775	0	252,608	0	1,253,383	76	4,308	51,289	55,673
1980	796,507	102,410	85,850	0	984,767	113	3,886	44,732	48,731
1981	762,107	105,013	36,824	*6	903,949	106	3,337	55,929	59,372
1982	783,407	94,794	55,136	0	933,336	162	1,705	49,861	51,728
1983	711,923	75,361	131,124	0	918,407	136	1,646	52,857	54,638
1984	755,368	51,502	36,191	0	843,060	127	1,786	52,840	54,753
1985	926,056	0	23,659	0	949,715	178	2,207	52,883	55,268
1986	747,709	0	0	+1,669	749,378	9,203	1,896	50,172	61,271
1987	1,006,790	0	0	0	1,006,790	2,947	2,125	48,599	53,671

* From Canada.
+ From Indonesia.

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Imports of Natural Gas
Total U.S.
Millions of cubic feet per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	3,000.0	3,000.0	2,935.5	2,933.3	2,774.2	2,633.3	2,580.6	2,741.9	2,733.3	2,935.5	2,833.3	2,871.0	**2,831.0**
1974	2,774.2	2,821.4	2,741.9	2,766.7	2,580.6	2,466.7	2,387.1	2,451.6	2,333.3	2,677.4	2,733.3	2,806.5	**2,628.4**
1975	2,612.9	2,678.6	2,677.4	2,733.3	2,580.6	2,533.3	2,580.6	2,419.4	2,466.7	2,580.6	2,700.0	2,774.2	**2,611.5**
1976	2,709.7	2,689.7	2,741.9	2,866.7	2,645.2	2,533.3	2,354.8	2,483.9	2,466.7	2,741.9	2,700.0	2,677.4	**2,634.3**
1977	2,806.5	3,285.7	3,258.1	2,800.0	2,774.2	2,533.3	2,354.8	2,451.6	2,500.0	2,741.9	2,866.7	2,903.2	**2,773.0**
1978	2,774.2	2,750.0	2,774.2	2,600.0	2,387.1	2,266.7	2,322.6	2,387.1	2,433.3	2,580.6	3,033.3	3,451.6	**2,646.7**
1979	3,290.3	3,464.3	3,645.2	3,533.3	3,354.8	3,366.7	3,354.8	3,129.0	3,266.7	3,451.6	3,800.0	3,548.4	**3,433.8**
1980	3,806.5	3,724.1	3,516.1	2,566.7	2,258.1	2,033.3	1,967.7	1,935.5	2,000.0	2,419.4	2,933.3	3,161.3	**2,693.5**
1981	2,935.5	3,035.7	2,580.6	2,300.0	2,000.0	2,166.7	2,129.0	2,064.5	2,233.3	2,548.4	2,733.3	3,000.0	**2,477.3**
1982	3,161.3	3,035.7	2,645.2	2,400.0	2,096.8	2,033.3	2,161.3	1,967.7	2,200.0	2,483.9	3,033.3	3,548.4	**2,563.9**
1983	3,612.9	3,392.9	2,774.2	2,466.7	1,967.7	1,966.7	1,871.0	1,806.5	2,233.3	2,064.5	2,666.7	3,451.6	**2,522.9**
1984	3,129.0	2,379.3	2,225.8	2,366.7	2,129.0	1,966.7	1,774.2	1,741.9	1,900.0	2,161.3	2,800.0	3,032.3	**2,300.5**
1985	3,354.8	3,535.7	2,903.2	2,533.3	2,354.8	2,166.7	1,903.2	1,967.7	2,100.0	2,451.6	2,566.7	3,419.4	**2,604.8**
1986	3,193.5	2,642.9	1,774.2	1,433.3	1,677.4	1,466.7	1,548.4	1,645.2	1,800.0	2,225.8	2,333.3	2,903.2	**2,053.7**
1987	3,258.1	2,892.9	2,806.5	2,266.7	1,935.5	1,900.0	2,129.0	2,419.4	2,433.3	3,000.0	3,566.7	3,871.0	**2,706.8**

Imports of Natural Gas
Total U.S.
Billions of cubic feet

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	93	84	91	88	86	79	80	85	82	91	85	89	**1,033**
1974	86	79	85	83	80	74	74	76	70	83	82	87	**959**
1975	81	75	83	82	80	76	80	75	74	80	81	86	**953**
1976	84	78	85	86	82	76	73	77	74	85	81	83	**964**
1977	87	92	101	84	86	76	73	76	75	85	86	90	**1,011**
1978	86	77	86	78	74	68	72	74	73	80	91	107	**966**
1979	102	97	113	106	104	101	104	97	98	107	114	110	**1,253**
1980	118	108	109	77	70	61	61	60	60	75	88	98	**985**
1981	91	85	80	69	62	65	66	64	67	79	82	93	**903**
1982	98	85	82	72	65	61	67	61	66	77	91	110	**935**
1983	112	95	86	74	61	59	58	56	67	64	80	107	**919**
1984	97	69	69	71	66	59	55	54	57	67	84	94	**842**
1985	104	99	90	76	73	65	59	61	63	76	77	106	**949**
1986	99	74	55	43	52	44	48	51	54	69	70	90	**749**
1987	101	81	87	68	60	57	66	75	73	93	107	120	**988**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Exports of Natural Gas
Total U.S.
Millions of cubic feet per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1976	161.3	172.4	193.5	200.0	161.3	166.7	193.5	193.5	200.0	161.3	166.7	161.3	**177.6**
1977	161.3	142.9	129.0	100.0	96.8	166.7	225.8	161.3	166.7	161.3	166.7	161.3	**153.3**
1978	161.3	178.6	161.3	100.0	161.3	133.3	161.3	161.3	200.0	96.8	100.0	129.0	**145.3**
1979	193.5	178.6	161.3	166.7	161.3	166.7	193.5	129.0	166.7	96.8	100.0	129.0	**153.6**
1980	193.5	172.4	161.3	100.0	96.8	100.0	96.8	96.8	166.7	161.3	100.0	161.3	**133.9**
1981	161.3	178.6	161.3	166.7	129.0	166.7	161.3	161.3	200.0	161.3	166.7	161.3	**164.6**
1982	96.8	178.6	161.3	66.7	96.8	200.0	161.3	193.5	166.7	161.3	166.7	161.3	**150.9**
1983	161.3	178.6	161.3	133.3	96.8	166.7	161.3	129.0	166.7	129.0	166.7	161.3	**151.0**
1984	161.3	172.4	193.5	166.7	161.3	100.0	161.3	161.3	166.7	161.3	166.7	161.3	**161.1**
1985	161.3	178.6	193.5	166.7	64.5	166.7	193.5	161.3	166.7	161.3	166.7	161.3	**161.8**
1986	161.3	107.1	161.3	200.0	96.8	200.0	193.5	193.5	166.7	161.3	200.0	193.5	**169.6**
1987	161.3	178.6	161.3	133.3	161.3	166.7	193.5	161.3	166.7	129.0	166.7	193.5	**164.4**

Exports of Natural Gas
Total U.S.
Billions of cubic feet

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1976	5	5	6	6	5	5	6	6	6	5	5	5	**65**
1977	5	4	4	3	3	5	7	5	5	5	5	5	**56**
1978	5	5	5	3	5	4	5	5	6	3	3	4	**53**
1979	6	5	5	5	5	5	6	4	5	3	3	4	**56**
1980	6	5	5	3	3	3	3	3	5	5	3	5	**49**
1981	5	5	5	5	4	5	5	5	6	5	5	5	**60**
1982	3	5	5	2	3	6	5	6	5	5	5	5	**55**
1983	5	5	5	4	3	5	5	4	5	4	5	5	**55**
1984	5	5	6	5	5	3	5	5	5	5	5	5	**59**
1985	5	5	6	5	2	5	6	5	5	5	5	5	**59**
1986	5	3	5	6	3	6	6	6	5	5	6	6	**62**
1987	5	5	5	4	5	5	6	5	5	4	5	6	**60**

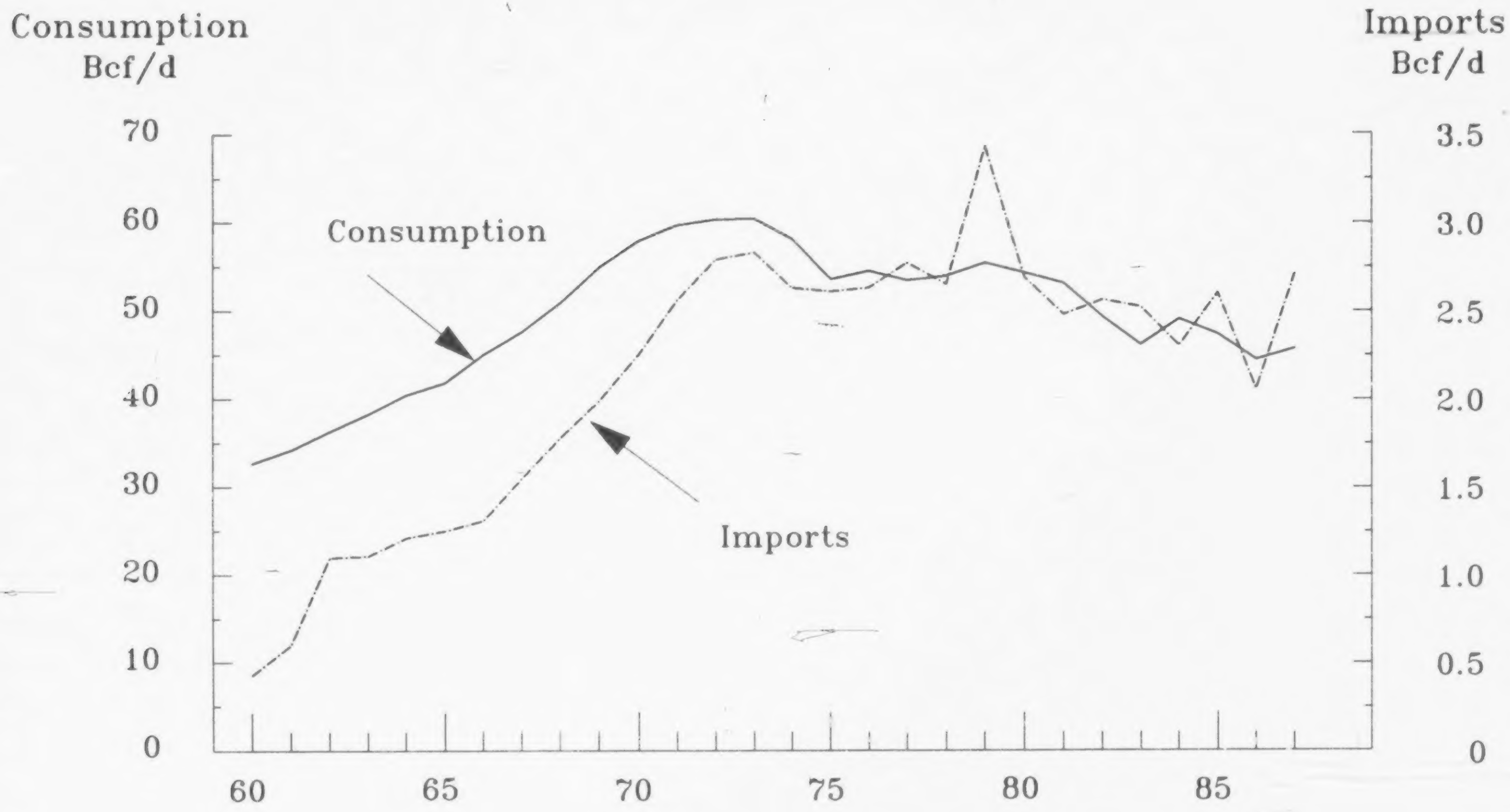
Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Natural Gas in Underground Storage
Total U.S.
Billions of cubic feet

	January	February	March	April	May	June	July	August	September	October	November	December
Total Gas in Storage												
1978	5,193	4,683	4,497	4,608	4,870	5,217	5,550	5,904	6,224	6,402	6,352	5,999
1979	5,348	4,806	4,695	4,762	5,057	5,399	5,743	6,095	6,401	6,563	6,541	6,297
1980	5,865	5,397	5,131	5,227	5,538	5,841	6,127	6,444	6,692	6,782	6,639	6,272
1981	5,795	5,472	5,285	5,434	5,660	5,933	6,257	6,595	6,872	6,974	6,932	6,569
1982	5,932	5,536	5,370	5,454	5,814	6,147	6,484	6,778	7,033	7,149	7,081	6,879
1983	6,457	6,167	5,959	5,877	6,026	6,272	6,522	6,732	6,964	7,095	7,015	6,442
1984	5,937	5,704	5,396	5,442	5,670	5,969	6,285	6,569	6,825	7,011	6,915	6,706
1985	6,083	5,694	5,578	5,691	5,965	6,191	6,454	6,681	6,931	7,059	6,934	6,451
1986	6,056	5,714	5,602	5,675	5,906	6,153	6,412	6,683	6,906	7,048	6,897	6,567
1987	6,101	5,806	5,694	5,751	6,014	6,250	6,440	6,643	6,856	6,910	6,826	6,547
Base Gas in Storage												
1978	3,374	3,373	3,374	3,377	3,379	3,381	3,386	3,403	3,411	3,444	3,425	3,459
1979	3,458	3,457	3,459	3,427	3,438	3,449	3,459	3,467	3,481	3,484	3,496	3,537
1980	3,535	3,536	3,542	3,547	3,553	3,560	3,564	3,594	3,596	3,598	3,620	3,629
1981	3,642	3,648	3,654	3,670	3,684	3,681	3,699	3,713	3,720	3,726	3,731	3,752
1982	3,751	3,750	3,766	3,778	3,780	3,778	3,780	3,781	3,782	3,785	3,772	3,808
1983	3,813	3,811	3,812	3,818	3,818	3,819	3,826	3,823	3,823	3,825	3,841	3,847
1984	3,847	3,828	3,824	3,822	3,827	3,828	3,829	3,829	3,829	3,837	3,900	3,830
1985	3,841	3,841	3,835	3,831	3,837	3,839	3,849	3,849	3,849	3,851	3,847	3,842
1986	3,842	3,842	3,838	3,834	3,830	3,829	3,841	3,840	3,840	3,840	3,820	3,819
1987	3,821	3,818	3,816	3,814	3,813	3,817	3,812	3,811	3,813	3,813	3,771	3,792
Working Gas in Storage												
1978	1,819	1,310	1,123	1,231	1,491	1,836	2,164	2,501	2,813	2,958	2,927	2,540
1979	1,890	1,349	1,236	1,335	1,619	1,950	2,284	2,628	2,920	3,079	3,045	2,760
1980	2,330	1,861	1,589	1,680	1,985	2,281	2,563	2,850	3,096	3,184	3,019	2,643
1981	2,152	1,824	1,631	1,764	1,977	2,252	2,558	2,882	3,152	3,248	3,201	2,817
1982	2,182	1,787	1,604	1,676	2,034	2,369	2,704	2,998	3,251	3,364	3,309	3,071
1983	2,644	2,356	2,148	2,074	2,222	2,454	2,696	2,908	3,141	3,270	3,175	2,595
1984	2,091	1,876	1,572	1,620	1,843	2,141	2,456	2,740	2,996	3,175	3,015	2,876
1985	2,242	1,853	1,743	1,859	2,129	2,351	2,605	2,832	3,082	3,207	3,087	2,609
1986	2,213	1,872	1,764	1,841	2,076	2,323	2,570	2,842	3,066	3,208	3,077	2,749
1987	2,280	1,988	1,878	1,937	2,201	2,433	2,628	2,832	3,043	3,097	3,055	2,755
Net Injections or Withdrawals												
1978	-647	-509	-186	111	261	347	333	347	320	181	-53	-351
1979	-652	-543	-111	109	295	342	342	350	312	162	-24	-239
1980	-444	-469	-266	96	311	303	284	298	249	88	-137	-368
1981	-521	-317	-179	153	228	287	309	346	277	104	-44	-353
1982	-649	-396	-176	73	371	342	339	298	257	131	-80	-204
1983	-424	-289	-207	-78	151	234	243	212	232	131	-78	-567
1984	-517	-244	-317	44	224	296	317	288	259	95	-145	-213
1985	-610	-391	-119	113	272	221	263	228	253	128	-103	-485
1986	-366	-315	-104	67	213	231	245	253	215	141	-123	-316
1987	-470	-295	-112	57	264	235	194	203	213	54	-55	-309

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Natural Gas Imports and Consumption



Source: EIA

Total U.S. Consumption of Natural Gas by End Use Sector Million cubic feet

	Lease & Plant Fuel	Pipeline Fuel	Total Delivered to Consumers	Residential Consumption	Commercial Consumption	Industrial Consumption	Electric Utilities Consumption	Total Consumption
1930	648,025	NA	1,218,479	295,700	80,707	721,782	120,290	**1,866,504**
1931	509,077	NA	1,112,884	294,406	86,491	593,644	138,343	**1,621,961**
1932	477,562	NA	1,024,957	298,520	87,367	531,831	107,239	**1,502,519**
1933	442,879	NA	1,062,240	283,197	85,577	590,865	102,601	**1,505,119**
1934	502,352	NA	1,210,446	288,236	91,261	703,053	127,896	**1,712,798**
1935	524,926	NA	1,329,487	313,498	100,187	790,563	125,239	**1,854,413**
1936	557,404	NA	1,542,050	343,346	111,623	931,001	156,080	**2,099,454**
1937	581,110	NA	1,751,721	371,844	117,390	1,091,920	170,567	**2,332,831**
1938	585,865	NA	1,634,894	367,772	114,296	982,838	169,988	**2,220,759**
1939	607,138	NA	1,792,881	391,153	118,334	1,092,263	191,131	**2,400,019**
1940	632,335	NA	1,942,798	443,646	134,644	1,181,352	183,156	**2,575,133**
1941	570,694	NA	2,119,034	442,067	144,844	1,326,967	205,156	**2,689,728**
1942	602,063	NA	2,323,710	498,537	183,603	1,402,834	238,736	**2,925,773**
1943	659,198	NA	2,622,493	529,444	204,793	1,582,680	305,576	**3,281,691**
1944	712,312	NA	2,841,283	562,183	220,747	1,698,608	359,745	**3,553,595**
1945	757,016	NA	2,983,527	607,400	230,099	1,819,838	326,190	**3,740,543**
1946	732,535	NA	3,115,121	660,820	241,802	1,905,575	306,924	**3,847,656**
1947	745,027	NA	3,492,783	802,150	285,213	2,032,383	373,037	**4,237,810**
1948	812,005	NA	3,923,636	896,348	323,054	2,226,137	478,097	**4,735,641**
1949	835,297	NA	4,135,855	992,544	347,818	2,245,372	550,121	**4,971,152**
1950	927,611	125,546	4,713,385	1,198,369	387,838	2,498,259	628,919	**5,766,542**
1951	1,149,470	192,496	5,468,196	1,474,725	464,309	2,765,264	763,898	**6,810,162**
1952	1,164,596	207,207	5,922,517	1,621,966	515,669	2,874,765	910,117	**7,294,320**
1953	1,131,017	230,314	6,277,939	1,685,503	530,650	3,027,514	1,034,272	**7,639,270**
1954	1,102,535	230,615	6,715,354	1,894,248	584,957	3,070,651	1,165,498	**8,048,504**
1955	1,130,985	245,246	7,317,426	2,123,952	629,219	3,410,975	1,153,280	**8,693,657**
1956	1,002,537	295,972	7,990,356	2,327,564	716,871	3,706,610	1,239,311	**9,288,865**
1957	1,046,084	299,235	8,500,820	2,500,269	775,916	3,888,494	1,336,141	**9,846,139**
1958	1,146,064	312,221	8,844,323	2,714,251	871,774	3,885,445	1,372,853	**10,302,608**
1959	1,238,945	349,348	9,732,888	2,912,601	975,107	4,216,671	1,628,509	**11,321,181**
1960	1,236,781	347,075	10,382,681	3,103,167	1,020,222	4,534,530	1,724,762	**11,966,537**
1961	1,288,762	377,607	10,822,899	3,248,578	1,076,849	4,672,355	1,825,117	**12,489,268**
1962	1,369,512	382,496	11,514,505	3,478,563	1,206,668	4,863,300	1,965,974	**13,266,513**
1963	1,411,088	423,783	12,135,358	3,589,021	1,267,783	5,134,081	2,144,473	**13,970,229**
1964	1,370,835	435,570	13,007,403	3,787,292	1,374,717	5,522,498	2,322,896	**14,813,808**
1965	1,156,224	500,524	13,622,968	3,902,802	1,443,648	5,955,417	2,321,101	**15,279,716**
1966	1,033,400	535,353	14,883,650	4,138,259	1,622,740	6,512,702	2,609,949	**16,452,403**
1967	1,140,966	575,752	15,671,642	4,313,304	1,958,970	6,653,016	2,746,352	**17,388,360**
1968	1,237,131	590,965	16,803,966	4,450,354	2,075,736	7,129,967	3,147,909	**18,632,062**
1969	1,345,648	630,962	18,079,630	4,728,281	2,253,206	7,610,501	3,487,642	**20,056,240**

Total U.S. Consumption of Natural Gas by End Use Sector

Million cubic feet

	Lease & Plant Fuel	Pipeline Fuel	Total Delivered to Consumers	Residential Consumption	Commercial Consumption	Industrial Consumption	Electric Utilities Consumption	Total Consumption
1970	1,398,758	722,166	19,018,462	4,837,432	2,398,510	7,850,660	3,931,860	**21,139,386**
1971	1,413,650	742,592	19,637,212	4,971,690	2,508,977	8,180,527	3,976,018	**21,793,454**
1972	1,455,563	766,156	19,879,733	5,125,982	2,607,982	8,168,856	3,976,913	**22,101,452**
1973	1,495,915	728,177	19,825,271	4,879,387	2,597,037	8,688,675	3,660,172	**22,049,363**
1974	1,477,386	668,792	19,076,955	4,786,128	2,555,617	8,291,782	3,443,428	**21,223,133**
1975	1,396,277	582,963	17,558,353	4,924,124	2,508,293	6,968,267	3,157,669	**19,537,593**
1976	1,634,355	548,323	17,763,818	5,051,360	2,667,740	6,963,850	3,080,868	**19,946,496**
1977	1,659,145	532,669	17,328,767	4,821,485	2,500,793	6,815,289	3,191,200	**19,520,581**
1978	1,647,911	530,451	17,449,116	4,903,006	2,601,106	6,756,641	3,188,363	**19,627,478**
1979	1,498,530	600,964	18,141,267	4,965,365	2,785,961	6,899,418	3,490,523	**20,240,761**
1980	1,026,438	634,622	18,216,233	4,752,082	2,610,895	7,171,661	3,681,595	**19,877,293**
1981	927,591	642,325	17,833,942	4,546,450	2,519,791	7,127,548	3,640,153	**19,403,858**
1982	1,109,398	596,411	16,295,246	4,633,035	2,605,523	5,831,170	3,225,518	**18,001,055**
1983	978,249	490,042	15,368,000	4,381,000	2,433,000	5,643,000	2,911,000	**16,836,291**
1984	1,076,881	528,754	16,344,892	4,555,465	2,524,244	6,153,841	3,111,342	**17,950,527**
1985	966,047	503,766	15,811,130	4,433,377	2,432,382	5,901,288	3,044,083	**17,280,943**
1986	922,524	485,041	14,813,731	4,313,969	2,318,335	5,579,057	2,602,370	**16,221,296**
1987	944,000	499,000	15,237,375	4,367,992	2,291,534	5,733,798	2,844,051	**16,680,375**

Data from Oil & Gas Journal Energy Database.

Source: Bureau of Mines, Energy Information Administration

Total U.S. Consumption of Natural Gas
by End Use Sector
Million cubic feet per day

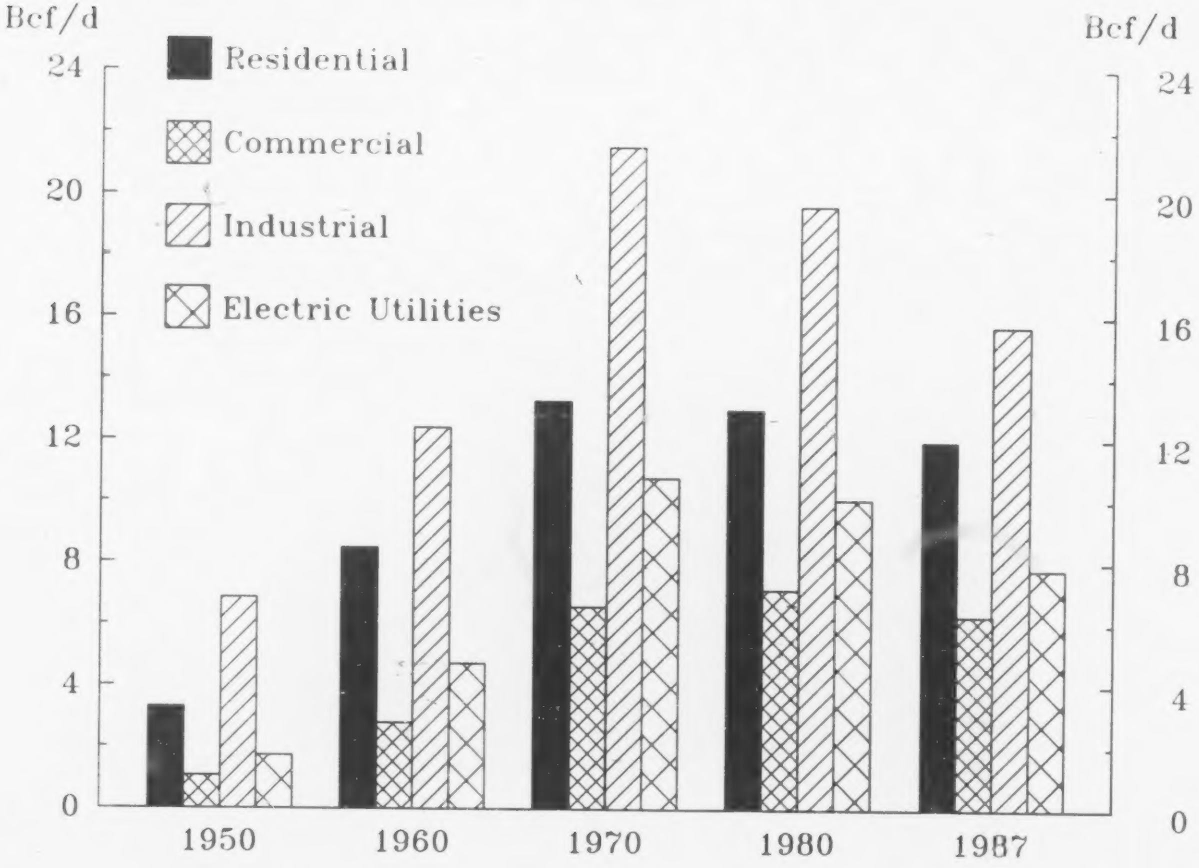
	Lease & Plant Fuel	Pipeline Fuel	Total Delivered to Consumers	Residential Consumption	Commercial Consumption	Industrial Consumption	Electric Utilities Consumption	Total Consumption
1930	1,775.4	NA	3,338.3	810.1	221.1	1,977.5	329.6	**5,113.7**
1931	1,394.7	NA	3,049.0	806.6	237.0	1,626.4	379.0	**4,443.7**
1932	1,304.8	NA	2,800.4	815.6	238.7	1,453.1	293.0	**4,105.2**
1933	1,213.4	NA	2,910.2	775.9	234.5	1,618.8	281.1	**4,123.6**
1934	1,376.3	NA	3,316.3	789.7	250.0	1,926.2	350.4	**4,692.6**
1935	1,438.2	NA	3,642.4	858.9	274.5	2,165.9	343.1	**5,080.6**
1936	1,523.0	NA	4,213.3	938.1	305.0	2,543.7	426.4	**5,736.2**
1937	1,592.1	NA	4,799.2	1,018.8	321.6	2,991.6	467.3	**6,391.3**
1938	1,605.1	NA	4,479.2	1,007.6	313.1	2,692.7	465.7	**6,084.3**
1939	1,663.4	NA	4,912.0	1,071.7	324.2	2,992.5	523.6	**6,575.4**
1940	1,727.7	NA	5,308.2	1,212.1	367.9	3,227.7	500.4	**7,035.9**
1941	1,563.5	NA	5,805.6	1,211.1	396.8	3,635.5	562.1	**7,369.1**
1942	1,649.5	NA	6,366.3	1,365.9	503.0	3,843.4	654.1	**8,015.8**
1943	1,806.0	NA	7,184.9	1,450.5	561.1	4,336.1	837.2	**8,990.9**
1944	1,946.2	NA	7,763.1	1,536.0	603.1	4,641.0	982.9	**9,709.3**
1945	2,074.0	NA	8,174.0	1,664.1	630.4	4,985.9	893.7	**10,248.1**
1946	2,006.9	NA	8,534.6	1,810.5	662.5	5,220.8	840.9	**10,541.5**
1947	2,041.2	NA	9,569.3	2,197.7	781.4	5,568.2	1,022.0	**11,610.4**
1948	2,218.6	NA	10,720.3	2,449.0	882.7	6,082.3	1,306.3	**12,938.9**
1949	2,288.5	NA	11,331.1	2,719.3	952.9	6,151.7	1,507.2	**13,619.6**
1950	2,541.4	344.0	12,913.4	3,283.2	1,062.6	6,844.5	1,723.1	**15,798.7**
1951	3,149.2	527.4	14,981.4	4,040.3	1,272.1	7,576.1	2,092.9	**18,658.0**
1952	3,182.0	566.1	16,181.7	4,431.6	1,408.9	7,854.5	2,486.7	**19,929.8**
1953	3,098.7	631.0	17,199.8	4,617.8	1,453.8	8,294.6	2,833.6	**20,929.5**
1954	3,020.6	631.8	18,398.2	5,189.7	1,602.6	8,412.7	3,193.1	**22,050.7**
1955	3,098.6	671.9	20,047.7	5,819.0	1,723.9	9,345.1	3,159.7	**23,818.2**
1956	2,739.2	808.7	21,831.6	6,359.5	1,958.7	10,127.3	3,386.1	**25,379.4**
1957	2,866.0	819.8	23,289.9	6,850.1	2,125.8	10,653.4	3,660.7	**26,975.7**
1958	3,139.9	855.4	24,231.0	7,436.3	2,388.4	10,645.1	3,761.2	**28,226.3**
1959	3,394.4	957.1	26,665.4	7,979.7	2,671.5	11,552.5	4,461.7	**31,016.9**
1960	3,379.2	948.3	28,368.0	8,478.6	2,787.5	12,389.4	4,712.5	**32,695.5**
1961	3,530.9	1,034.5	29,651.8	8,900.2	2,950.3	12,801.0	5,000.3	**34,217.2**
1962	3,752.1	1,047.9	31,546.6	9,530.3	3,305.9	13,324.1	5,386.2	**36,346.6**
1963	3,866.0	1,161.0	33,247.6	9,832.9	3,473.4	14,066.0	5,875.3	**38,274.6**
1964	3,745.5	1,190.1	35,539.4	10,347.8	3,756.1	15,088.8	6,346.7	**40,474.9**
1965	3,167.7	1,371.3	37,323.2	10,692.6	3,955.2	16,316.2	6,359.2	**41,862.2**
1966	2,831.2	1,466.7	40,777.1	11,337.7	4,445.9	17,843.0	7,150.5	**45,075.1**
1967	3,125.9	1,577.4	42,936.0	11,817.3	5,367.0	18,227.4	7,524.3	**47,639.3**
1968	3,380.1	1,614.7	45,912.5	12,159.4	5,671.4	19,480.8	8,600.8	**50,907.3**
1969	3,686.7	1,728.7	49,533.2	12,954.2	6,173.2	20,850.7	9,555.2	**54,948.6**

Total U.S. Consumption of Natural Gas
by End Use Sector
Million cubic feet per day

	Lease & Plant Fuel	Pipeline Fuel	Total Delivered to Consumers	Residential Consumption	Commercial Consumption	Industrial Consumption	Electric Utilities Consumption	Total Consumption
1970	3,832.2	1,978.5	52,105.4	13,253.2	6,571.3	21,508.7	10,772.2	**57,916.1**
1971	3,873.0	2,034.5	53,800.6	13,621.1	6,873.9	22,412.4	10,893.2	**59,708.1**
1972	3,976.9	2,093.3	54,316.2	14,005.4	7,125.6	22,319.3	10,865.9	**60,386.5**
1973	4,098.4	1,995.0	54,315.8	13,368.2	7,115.2	23,804.6	10,027.9	**60,409.2**
1974	4,047.6	1,832.3	52,265.6	13,112.7	7,001.7	22,717.2	9,434.0	**58,145.6**
1975	3,825.4	1,597.2	48,105.1	13,490.8	6,872.0	19,091.1	8,651.1	**53,527.7**
1976	4,465.5	1,498.2	48,535.0	13,801.5	7,288.9	19,026.9	8,417.7	**54,498.6**
1977	4,545.6	1,459.4	47,476.1	13,209.5	6,851.5	18,672.0	8,743.0	**53,481.0**
1978	4,514.8	1,453.3	47,805.8	13,432.9	7,126.3	18,511.3	8,735.2	**53,773.9**
1979	4,105.6	1,646.5	49,702.1	13,603.7	7,632.8	18,902.5	9,563.1	**55,454.1**
1980	2,804.5	1,733.9	49,771.1	12,983.8	7,133.6	19,594.7	10,059.0	**54,309.5**
1981	2,541.3	1,759.8	48,860.1	12,456.0	6,903.5	19,527.5	9,973.0	**53,161.3**
1982	3,039.4	1,634.0	44,644.5	12,693.2	7,138.4	15,975.8	8,837.0	**49,318.0**
1983	2,680.1	1,342.6	42,104.1	12,002.7	6,665.8	15,460.3	7,975.3	**46,126.8**
1984	2,942.3	1,444.7	44,658.2	12,446.6	6,896.8	16,813.8	8,500.9	**49,045.2**
1985	2,646.7	1,380.2	43,318.2	12,146.2	6,664.1	16,167.9	8,340.0	**47,345.0**
1986	2,527.5	1,328.9	40,585.6	11,819.1	6,351.6	15,285.1	7,129.8	**44,441.9**
1987	2,586.3	1,367.1	41,746.2	11,967.1	6,278.2	15,709.0	7,791.9	**45,699.7**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Natural Gas Consumption By Sector



Source: BOM, EIA

Total Consumption of Natural Gas
Total U.S.
Million cubic feet per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1974	71,935	73,357	64,613	56,367	51,871	47,967	48,839	48,710	51,233	55,032	60,900	67,871	**58,225**
1975	72,516	69,250	61,387	52,500	42,935	41,900	42,355	44,161	45,667	49,806	54,667	66,097	**53,603**
1976	74,097	62,862	58,774	50,133	46,258	44,233	43,419	42,806	43,067	51,968	62,567	72,161	**54,362**
1977	77,645	64,857	55,323	47,967	44,484	44,433	42,742	44,000	47,567	48,968	56,333	68,000	**53,527**
1978	76,935	75,571	60,935	50,433	43,645	40,733	42,194	40,452	40,733	46,097	54,767	66,323	**53,235**
1979	77,968	78,393	60,516	52,867	46,032	43,800	42,677	43,129	44,067	50,000	58,633	66,355	**55,370**
1980	73,516	75,586	67,710	52,267	43,710	41,767	41,968	40,134	43,300	49,742	59,433	69,548	**54,895**
1981	73,516	67,643	61,290	49,633	46,000	43,633	42,419	42,387	42,200	48,968	53,967	67,000	**53,221**
1982	77,419	70,857	59,290	49,500	36,645	37,167	36,935	37,129	38,000	42,290	51,967	56,097	**49,441**
1983	63,710	58,643	51,323	45,767	36,065	32,467	33,355	35,871	35,700	40,194	50,100	70,677	**46,158**
1984	75,484	67,379	59,355	53,267	43,452	39,200	37,161	37,226	36,167	38,065	46,433	55,871	**49,088**
1985	67,065	76,250	55,194	47,933	36,742	35,667	35,871	36,032	35,000	37,387	44,533	62,419	**47,508**
1986	67,935	66,036	54,935	44,433	37,452	34,633	33,516	32,484	31,933	33,581	42,533	55,161	**44,563**
1987	64,452	64,929	54,000	46,200	37,161	35,667	34,516	35,613	34,167	38,677	46,433	57,806	**45,802**

Total Consumption of Natural Gas
Total U.S.
Billion cubic feet

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1974	2,230	2,054	2,003	1,691	1,608	1,439	1,514	1,510	1,537	1,706	1,827	2,104	**21,223**
1975	2,248	1,939	1,903	1,575	1,331	1,257	1,313	1,369	1,370	1,544	1,640	2,049	**19,538**
1976	2,297	1,823	1,822	1,504	1,434	1,327	1,346	1,327	1,292	1,611	1,877	2,237	**19,897**
1977	2,407	1,816	1,715	1,439	1,379	1,333	1,325	1,364	1,427	1,518	1,690	2,108	**19,521**
1978	2,385	2,116	1,889	1,513	1,353	1,222	1,308	1,254	1,222	1,429	1,643	2,056	**19,390**
1979	2,417	2,195	1,876	1,586	1,427	1,314	1,323	1,337	1,322	1,550	1,759	2,057	**20,163**
1980	2,279	2,192	2,099	1,568	1,355	1,253	1,301	1,246	1,299	1,542	1,783	2,156	**20,073**
1981	2,279	1,894	1,900	1,489	1,426	1,309	1,315	1,314	1,266	1,518	1,619	2,077	**19,408**
1982	2,400	1,984	1,838	1,485	1,136	1,115	1,145	1,151	1,140	1,311	1,559	1,739	**18,003**
1983	1,975	1,642	1,591	1,373	1,118	974	1,034	1,112	1,071	1,246	1,503	2,191	**16,830**
1984	2,340	1,954	1,840	1,598	1,347	1,176	1,152	1,154	1,085	1,180	1,393	1,732	**17,951**
1985	2,079	2,135	1,711	1,438	1,139	1,070	1,112	1,117	1,050	1,159	1,336	1,935	**17,281**
1986	2,106	1,849	1,703	1,333	1,161	1,039	1,039	1,007	958	1,041	1,276	1,710	**16,222**
1987	1,998	1,818	1,674	1,386	1,152	1,070	1,070	1,104	1,025	1,199	1,393	1,792	**16,681**

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Consumption of Natural Gas by End Use Sector Total U.S. Billion Cubic Feet

	Lease & Plant Fuel	Pipeline Fuel	Residential Consumption	Commercial Consumption	Industrial Consumption	Electric Utilities	Total Delivered to Consumers	Total Consumption
January 1982	79	78	879	403	642	238	2,205	**2,400**
February	73	65	798	367	395	220	1,820	**1,984**
March	77	60	611	292	499	247	1,678	**1,838**
April	72	49	458	215	404	246	1,348	**1,485**
May	71	38	236	126	393	258	1,027	**1,138**
June	69	37	167	97	436	296	1,009	**1,115**
July	70	38	140	92	441	353	1,038	**1,145**
August	68	38	125	95	448	361	1,042	**1,151**
September	66	38	138	95	497	293	1,032	**1,140**
October	67	43	207	118	578	274	1,189	**1,311**
November	67	51	378	198	602	226	1,420	**1,559**
December	69	57	565	271	520	215	1,589	**1,739**
Total 1982	**848**	**592**	**4,702**	**2,389**	**5,855**	**3,227**	**16,397**	**18,003**
January 1983	89	57	718	366	537	208	1,829	**1,975**
February	79	48	694	360	284	177	1,515	**1,842**
March	81	46	541	285	430	208	1,464	**1,591**
April	77	40	464	241	348	203	1,256	**1,373**
May	77	33	277	151	362	218	1,008	**1,118**
June	74	28	181	110	333	248	872	**974**
July	78	30	134	100	378	314	926	**1,034**
August	81	32	123	103	421	352	999	**1,112**
September	79	31	128	105	429	299	961	**1,071**
October	84	36	179	119	577	251	1,126	**1,246**
November	85	44	330	185	645	214	1,374	**1,503**
December	93	64	612	308	896	218	2,034	**2,191**
Total 1983	**977**	**489**	**4,381**	**2,433**	**5,640**	**2,910**	**15,384**	**16,830**
January 1984	102	55	886	437	645	215	2,183	**2,340**
February	88	44	700	354	581	187	1,822	**1,954**
March	91	46	605	311	581	206	1,703	**1,840**
April	89	41	463	243	542	220	1,468	**1,598**
May	89	42	287	160	504	265	1,216	**1,347**
June	86	42	170	108	472	298	1,048	**1,178**
July	89	44	128	97	445	349	1,019	**1,152**
August	88	43	118	98	457	350	1,023	**1,154**
September	84	40	127	101	442	291	961	**1,085**
October	88	42	182	128	470	270	1,050	**1,180**
November	88	42	323	193	502	245	1,263	**1,393**
December	95	48	566	294	512	217	1,589	**1,732**
Total 1984	**1,077**	**529**	**4,555**	**2,524**	**6,153**	**3,113**	**16,345**	**17,951**

Consumption of Natural Gas
by End Use Sector
Total U.S.
Billion Cubic Feet

	Lease & Plant Fuel	Pipeline Fuel	Residential Consumption	Commercial Consumption	Industrial Consumption	Electric Utilities	Total Delivered to Consumers	Total Consumption
January 1985	91	54	743	372	591	226	1,932	**2,077**
February	84	46	837	412	554	203	2,006	**2,136**
March	83	42	566	290	522	207	1,585	**1,710**
April	79	39	397	206	484	234	1,321	**1,439**
May	78	40	212	128	447	236	1,023	**1,141**
June	75	38	157	100	420	282	959	**1,072**
July	77	40	130	96	433	337	996	**1,113**
August	77	39	119	93	434	355	1,001	**1,117**
September	75	37	129	98	435	275	937	**1,049**
October	78	39	190	125	478	250	1,043	**1,160**
November	79	39	306	180	502	230	1,218	**1,336**
December	91	51	647	333	602	210	1,792	**1,934**
Total 1985	**967**	**504**	**4,433**	**2,433**	**5,902**	**3,045**	**15,813**	**17,284**
January 1986	89	50	791	392	600	184	1,967	**2,106**
February	77	43	685	345	542	157	1,729	**1,849**
March	82	42	580	291	538	170	1,579	**1,703**
April	73	36	363	189	474	198	1,224	**1,333**
May	75	38	236	131	449	231	1,047	**1,160**
June	71	37	155	99	416	260	930	**1,038**
July	74	38	126	89	410	301	926	**1,038**
August	74	38	117	89	412	276	894	**1,006**
September	70	36	131	91	384	247	853	**959**
October	74	38	185	116	411	217	929	**1,041**
November	79	38	346	189	436	187	1,158	**1,275**
December	85	47	599	299	507	175	1,580	**1,712**
Total 1986	**923**	**481**	**4,314**	**2,320**	**5,579**	**2,603**	**14,816**	**16,220**
January 1987	87	51	749	359	568	185	1,861	**1,999**
February	78	43	697	344	497	158	1,696	**1,817**
March	82	43	582	288	488	190	1,548	**1,673**
April	77	40	407	203	452	206	1,268	**1,385**
May	76	40	226	129	439	243	1,037	**1,153**
June	73	38	149	96	430	284	959	**1,070**
July	76	38	127	91	420	319	957	**1,071**
August	76	39	119	88	443	339	989	**1,104**
September	73	37	128	93	426	268	915	**1,025**
October	77	39	226	131	488	238	1,083	**1,199**
November	81	41	359	187	508	217	1,271	**1,393**
December	89	49	599	283	576	197	1,655	**1,793**
Total 1987	**945**	**498**	**4,368**	**2,292**	**5,735**	**2,844**	**15,239**	**16,682**

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Consumption of Natural Gas
by End Use Sector
Total U.S.
Million Cubic Feet per Day

	Lease & Plant Fuel	Pipeline Fuel	Residential Consumption	Commercial Consumption	Industrial Consumption	Electric Utilities	Total Delivered to Consumers	Total Consumption
January 1982	2,548.4	2,516.1	28,354.8	13,000.0	20,709.7	7,677.4	69,741.9	**74,806.5**
February	2,607.1	2,321.4	28,500.0	13,107.1	14,107.1	7,857.1	63,571.4	**68,500.0**
March	2,483.9	1,935.5	19,709.7	9,419.4	16,096.8	7,967.7	53,193.5	**57,612.9**
April	2,400.0	1,633.3	15,266.7	7,166.7	13,466.7	8,200.0	44,100.0	**48,133.3**
May	2,290.3	1,225.8	7,612.9	4,064.5	12,677.4	8,322.6	32,677.4	**36,193.5**
June	2,300.0	1,233.3	5,566.7	3,233.3	14,533.3	9,866.7	33,200.0	**36,733.3**
July	2,258.1	1,225.8	4,516.1	2,967.7	14,225.8	11,387.1	33,096.8	**36,580.6**
August	2,193.5	1,225.8	4,032.3	3,064.5	14,451.6	11,645.2	33,193.5	**36,612.9**
September	2,200.0	1,266.7	4,600.0	3,166.7	16,566.7	9,766.7	34,100.0	**37,566.7**
October	2,161.3	1,387.1	6,677.4	3,806.5	18,645.2	8,838.7	37,967.7	**41,516.1**
November	2,233.3	1,700.0	12,600.0	6,600.0	20,066.7	7,533.3	46,800.0	**50,733.3**
December	2,225.8	1,838.7	18,225.8	8,741.9	16,774.2	6,935.5	50,677.4	**54,741.9**
1982 Average	**2,325.1**	**1,625.8**	**12,971.9**	**6,528.2**	**16,026.8**	**8,833.2**	**44,360.0**	**48,310.9**
January 1983	2,871.0	1,838.7	23,161.3	11,806.5	17,322.6	6,709.7	59,000.0	**63,709.7**
February	2,821.4	1,714.3	24,785.7	12,857.1	10,142.9	6,321.4	54,107.1	**58,642.9**
March	2,612.9	1,483.9	17,451.6	9,193.5	13,871.0	6,709.7	47,225.8	**51,322.6**
April	2,566.7	1,333.3	15,466.7	8,033.3	11,600.0	6,766.7	41,866.7	**45,766.7**
May	2,483.9	1,064.5	8,935.5	4,871.0	11,677.4	7,032.3	32,516.1	**36,064.5**
June	2,466.7	933.3	6,033.3	3,666.7	11,100.0	8,266.7	29,066.7	**32,466.7**
July	2,516.1	967.7	4,322.6	3,225.8	12,193.5	10,129.0	29,871.0	**33,354.8**
August	2,612.9	1,032.3	3,967.7	3,322.6	13,580.6	11,354.8	32,225.8	**35,871.0**
September	2,633.3	1,033.3	4,266.7	3,500.0	14,300.0	9,966.7	32,033.3	**35,700.0**
October	2,709.7	1,161.3	5,774.2	3,838.7	18,612.9	8,096.8	36,322.6	**40,193.5**
November	2,833.3	1,466.7	11,000.0	6,166.7	21,500.0	7,133.3	45,800.0	**50,100.0**
December	3,000.0	2,064.5	19,741.9	9,935.5	28,903.2	7,032.3	65,612.9	**70,677.4**
1983 Average	**2,677.3**	**1,341.2**	**12,075.6**	**6,701.4**	**15,400.3**	**7,959.9**	**42,137.3**	**46,155.8**
January 1984	3,290.3	1,774.2	28,580.6	14,096.8	20,806.5	6,935.5	70,419.4	**75,483.9**
February	3,034.5	1,517.2	24,137.9	12,206.9	20,034.5	6,448.3	62,827.6	**67,379.3**
March	2,935.5	1,483.9	19,516.1	10,032.3	18,741.9	6,645.2	54,935.5	**59,354.8**
April	2,966.7	1,366.7	15,433.3	8,100.0	18,066.7	7,333.3	48,933.3	**53,266.7**
May	2,871.0	1,354.8	9,258.1	5,161.3	16,258.1	8,548.4	39,225.8	**43,451.6**
June	2,866.7	1,400.0	5,666.7	3,600.0	15,733.3	9,933.3	34,933.3	**39,200.0**
July	2,871.0	1,419.4	4,129.0	3,129.0	14,354.8	11,258.1	32,871.0	**37,161.3**
August	2,838.7	1,387.1	3,806.5	3,161.3	14,741.9	11,290.3	33,000.0	**37,225.8**
September	2,800.0	1,333.3	4,233.3	3,366.7	14,733.3	9,700.0	32,033.3	**36,166.7**
October	2,838.7	1,354.8	5,871.0	4,129.0	15,161.3	8,709.7	33,871.0	**38,064.5**
November	2,933.3	1,400.0	10,766.7	6,433.3	16,733.3	8,166.7	42,100.0	**46,433.3**
December	3,064.5	1,548.4	18,258.1	9,483.9	16,516.1	7,000.0	51,258.1	**55,871.0**
1984 Average	**2,942.6**	**1,445.0**	**12,471.4**	**6,908.4**	**16,823.5**	**8,497.4**	**44,700.7**	**49,088.2**

Consumption of Natural Gas
by End Use Sector
Total U.S.
Million Cubic Feet per Day

	Lease & Plant Fuel	Pipeline Fuel	Residential Consumption	Commercial Consumption	Industrial Consumption	Electric Utilities	Total Delivered to Consumers	Total Consumption
January 1985	2,935.5	1,741.9	23,967.7	12,000.0	19,064.5	7,290.3	62,322.6	**67,000.0**
February	3,000.0	1,642.9	29,892.9	14,714.3	19,785.7	7,250.0	71,642.9	**76,285.7**
March	2,677.4	1,354.8	18,258.1	9,354.8	16,838.7	6,677.4	51,129.0	**55,161.3**
April	2,633.3	1,300.0	13,233.3	6,866.7	16,133.3	7,800.0	44,033.3	**47,966.7**
May	2,516.1	1,290.3	6,838.7	4,129.0	14,419.4	7,612.9	33,000.0	**36,806.5**
June	2,500.0	1,266.7	5,233.3	3,333.3	14,000.0	9,400.0	31,966.7	**35,733.3**
July	2,483.9	1,290.3	4,193.5	3,096.8	13,967.7	10,871.0	32,129.0	**35,903.2**
August	2,483.9	1,258.1	3,838.7	3,000.0	14,000.0	11,451.6	32,290.3	**36,032.3**
September	2,500.0	1,233.3	4,300.0	3,266.7	14,500.0	9,166.7	31,233.3	**34,966.7**
October	2,516.1	1,258.1	6,129.0	4,032.3	15,419.4	8,064.5	33,645.2	**37,419.4**
November	2,633.3	1,300.0	10,200.0	6,000.0	16,733.3	7,666.7	40,600.0	**44,533.3**
December	2,935.5	1,645.2	20,871.0	10,741.9	19,419.4	6,774.2	57,806.5	**62,387.1**
1985 Average	**2,651.3**	**1,381.8**	**12,246.4**	**6,711.3**	**16,190.1**	**8,335.4**	**43,483.2**	**47,516.3**
January 1986	2,871.0	1,612.9	25,516.1	12,645.2	19,354.8	5,935.5	63,451.6	**67,935.5**
February	2,750.0	1,535.7	24,464.3	12,321.4	19,357.1	5,607.1	61,750.0	**66,035.7**
March	2,645.2	1,354.8	18,709.7	9,387.1	17,354.8	5,483.9	50,935.5	**54,935.5**
April	2,433.3	1,200.0	12,100.0	6,300.0	15,800.0	6,600.0	40,800.0	**44,433.3**
May	2,419.4	1,225.8	7,612.9	4,225.8	14,483.9	7,451.6	33,774.2	**37,419.4**
June	2,366.7	1,233.3	5,166.7	3,300.0	13,866.7	8,666.7	31,000.0	**34,600.0**
July	2,387.1	1,225.8	4,064.5	2,871.0	13,225.8	9,709.7	29,871.0	**33,483.9**
August	2,387.1	1,225.8	3,774.2	2,871.0	13,290.3	8,903.2	28,838.7	**32,451.6**
September	2,333.3	1,200.0	4,366.7	3,033.3	12,800.0	8,233.3	28,433.3	**31,966.7**
October	2,387.1	1,225.8	5,967.7	3,741.9	13,258.1	7,000.0	29,967.7	**33,580.6**
November	2,633.3	1,266.7	11,533.3	6,300.0	14,533.3	6,233.3	38,600.0	**42,500.0**
December	2,741.9	1,516.1	19,322.6	9,645.2	16,354.8	5,645.2	50,967.7	**55,225.8**
1986 Average	**2,529.6**	**1,318.6**	**11,883.2**	**6,386.8**	**15,306.6**	**7,122.5**	**40,699.1**	**44,547.3**
January 1987	2,806.5	1,645.2	24,161.3	11,580.6	18,322.6	5,967.7	60,032.3	**64,483.9**
February	2,516.1	1,387.1	22,483.9	11,096.8	16,032.3	5,096.8	54,709.7	**58,612.9**
March	2,645.2	1,387.1	18,774.2	9,290.3	15,741.9	6,129.0	49,935.5	**53,967.7**
April	2,483.9	1,290.3	13,129.0	6,548.4	14,580.6	6,645.2	40,903.2	**44,677.4**
May	2,451.6	1,290.3	7,290.3	4,161.3	14,161.3	7,838.7	33,451.6	**37,193.5**
June	2,354.8	1,225.8	4,806.5	3,096.8	13,871.0	9,161.3	30,935.5	**34,516.1**
July	2,451.6	1,225.8	4,096.8	2,935.5	13,548.4	10,290.3	30,871.0	**34,548.4**
August	2,451.6	1,258.1	3,838.7	2,838.7	14,290.3	10,935.5	31,903.2	**35,612.9**
September	2,354.8	1,193.5	4,129.0	3,000.0	13,741.9	8,645.2	29,516.1	**33,064.5**
October	2,483.9	1,258.1	7,290.3	4,225.8	15,741.9	7,677.4	34,935.5	**38,677.4**
November	2,612.9	1,322.6	11,580.6	6,032.3	16,387.1	7,000.0	41,000.0	**44,935.5**
December	2,871.0	1,580.6	19,322.6	9,129.0	18,580.6	6,354.8	53,387.1	**57,838.7**
1987 Average	**2,540.3**	**1,338.7**	**11,741.9**	**6,161.3**	**15,416.7**	**7,645.2**	**40,965.1**	**44,844.1**

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

U.S. Natural Gas Consumption
Million cubic feet

	1970	1971	1972	1973	1974	1975	1976	1977	1978
Alabama	298,497	285,973	278,467	272,068	274,761	264,088	225,979	241,237	237,258
Alaska	63,726	67,706	74,658	63,073	62,874	84,751	90,121	116,278	145,025
Arizona	192,996	213,313	227,909	214,323	192,446	156,222	171,275	167,092	175,041
Arkansas	381,951	333,644	316,375	327,803	290,393	258,220	248,941	229,558	220,699
California	2,126,466	2,149,264	2,185,543	2,045,627	1,834,413	1,832,849	1,756,611	1,772,041	1,563,172
Colorado	282,328	289,369	309,703	324,007	313,056	307,772	302,284	282,215	267,838
Connecticut	60,574	61,434	64,008	62,609	66,343	64,011	65,855	64,068	65,191
Delaware	26,421	26,452	24,088	22,949	20,365	18,603	19,182	15,787	20,626
District of Columbia	* NA	* NA	* NA	* NA	* NA	* NA	* NA	* NA	* NA
Florida	336,816	336,721	298,977	311,498	289,551	280,095	289,017	302,344	318,344
Georgia	332,526	342,579	331,143	348,089	330,339	326,559	261,320	264,665	278,272
Hawaii	NA	NA	NA	NA	NA	NA	NA	NA	NA
Idaho	46,570	50,096	56,630	56,045	53,057	60,451	47,156	45,537	44,210
Illinois	1,173,878	1,229,277	1,207,289	1,150,266	1,149,394	1,095,115	1,175,235	1,167,099	1,174,934
Indiana	545,368	566,996	576,948	542,300	531,872	477,341	425,221	398,268	440,955
Iowa	348,662	344,639	344,516	364,640	367,595	345,798	311,425	280,246	238,229
Kansas	575,694	606,989	628,109	604,460	587,013	498,727	515,197	506,910	519,346
Kentucky	248,048	244,360	255,208	245,472	228,003	207,539	245,967	219,521	212,913
Louisiana	1,840,840	1,883,924	1,939,762	2,009,859	2,008,364	1,788,588	2,043,705	2,190,848	2,249,172
Maine +	10,691	12,088	13,267	13,881	14,697	13,534	13,545	13,609	14,039
Maryland *	182,135	188,371	204,922	201,961	199,331	165,932	176,272	158,838	161,695
Massachusetts	147,307	156,451	160,280	155,547	155,268	153,967	156,247	160,343	160,503
Michigan	809,124	850,562	864,770	920,351	936,043	884,184	888,035	741,295	789,594
Minnesota	342,322	351,442	351,408	360,811	351,644	331,186	320,156	293,381	313,229
Mississippi	360,382	378,321	377,986	313,992	276,199	230,053	199,122	197,689	203,719
Missouri	429,526	429,105	425,215	426,807	409,884	369,620	380,258	366,970	358,905
Montana	87,791	88,271	84,322	90,230	79,909	79,520	74,371	70,956	72,649
Nebraska	222,335	223,674	224,562	229,632	222,807	218,834	198,634	188,804	163,051
Nevada	52,558	66,511	69,522	73,072	63,438	61,251	66,797	71,052	64,506
New Hampshire	+ NA	+ NA	+ NA	+ NA	+ NA	+ NA	+ NA	+ NA	+ NA
New Jersey	322,853	326,768	321,288	301,566	275,050	244,102	321,535	247,120	228,843
New Mexico	270,103	269,368	287,993	256,811	257,436	240,260	278,976	229,813	213,698
New York	710,885	716,550	692,730	682,547	627,493	576,883	595,933	561,698	569,702
North Carolina	151,227	160,567	163,897	160,871	140,217	114,822	101,175	72,527	81,989
North Dakota	32,717	33,577	36,473	32,428	35,459	36,82[illegible]	41,177	37,650	39,067
Ohio	1,052,933	1,087,126	1,147,804	1,104,156	1,086,651	956,8[illegible]	1,005,927	847,497	929,593
Oklahoma	597,169	611,582	629,757	611,738	660,010	668,819	760,110	766,986	770,249
Oregon	95,284	100,897	110,360	107,961	98,051	109,898	92,500	72,521	86,140
Pennsylvania	772,388	802,113	828,961	783,297	715,548	653,742	713,518	668,337	673,770
Rhode Island	25,093	25,662	22,494	20,559	23,781	23,129	20,697	25,631	23,042
South Carolina	159,830	156,263	144,120	153,147	131,991	122,949	148,989	138,585	117,573
South Dakota	36,319	31,832	34,077	31,221	32,076	32,534	39,207	36,097	35,423
Tennessee	256,148	265,011	277,275	293,620	260,171	217,328	212,326	202,135	184,048
Texas	4,093,357	4,364,728	4,412,636	4,621,378	4,463,488	3,944,377	3,975,307	4,143,023	4,211,432
Utah	121,937	121,403	124,093	123,106	121,015	124,160	146,205	106,315	118,513
Vermont	+ NA	+ NA	+ NA	+ NA	+ NA	+ NA	+ NA	+ NA	+ NA
Virginia	136,523	144,014	155,658	152,848	143,650	121,320	123,509	118,020	134,144
Washington	149,992	156,663	170,448	197,861	182,723	164,334	148,781	142,657	127,280
West Virginia	181,278	178,380	199,141	186,316	182,370	158,435	150,723	144,535	151,839
Wisconsin	337,822	348,132	320,826	367,961	381,148	364,801	315,154	349,160	370,726
Wyoming	109,996	115,286	125,834	108,599	95,746	87,188	86,819	83,623	87,292
Total U.S.	**21,139,386**	**21,793,454**	**22,101,452**	**22,049,363**	**21,223,133**	**19,537,593**	**19,946,496**	**19,520,581**	**19,627,478**

U.S. Natural Gas Consumption
Million cubic feet

	1979	1980	1981	1982	1983	1984	1985	1986
Alabama	283,435	269,240	271,280	240,957	221,583	231,997	219,455	202,923
Alaska	157,236	153,345	121,727	237,881	239,200	257,525	212,765	206,452
Arizona	172,738	165,850	182,533	135,031	115,233	121,149	130,776	101,249
Arkansas	250,747	273,720	264,787	226,941	206,966	210,021	195,633	199,197
California	1,810,381	1,807,731	1,858,178	1,682,718	1,535,031	1,669,705	1,846,078	1,531,323
Colorado	292,272	256,363	211,780	224,991	213,812	229,647	218,942	197,847
Connecticut	67,957	72,583	76,829	78,246	74,427	81,139	78,215	78,903
Delaware	24,981	29,797	30,643	27,833	34,884	42,962	38,493	33,009
District of Columbia	* NA	27,868	29,023	29,280	29,340	29,449	28,902	29,586
Florida	344,177	316,588	337,557	324,807	306,307	303,309	289,706	288,541
Georgia	312,299	315,201	316,613	294,651	295,531	307,323	281,805	279,082
Hawaii	NA	3,131	2,899	2,804	2,669	2,375	2,483	2,463
Idaho	54,237	49,047	44,960	39,971	35,179	38,604	39,194	34,721
Illinois	1,142,732	1,089,720	1,061,957	994,179	938,340	1,032,779	962,039	924,280
Indiana	504,185	489,254	496,349	467,842	426,770	452,284	432,958	395,181
Iowa	291,521	269,581	253,231	237,089	220,517	234,846	255,903	206,902
Kansas	584,236	488,338	428,130	400,920	346,204	363,671	355,467	312,680
Kentucky	218,689	202,284	199,445	188,536	174,306	189,255	172,510	167,173
Louisiana	1,978,382	1,794,007	1,781,716	1,556,052	1,412,983	1,594,346	1,386,365	1,438,563
Maine +	14,881	2,268	2,326	2,691	2,424	2,449	2,531	2,473
Maryland *	201,584	160,244	175,289	157,990	145,628	158,989	150,838	152,542
Massachusetts	156,459	182,587	184,575	195,107	191,815	208,758	218,884	186,350
Michigan	875,726	865,137	800,873	748,141	696,455	718,103	709,232	671,323
Minnesota	334,202	285,846	266,282	262,039	240,777	255,638	257,480	244,772
Mississippi	254,366	263,530	242,987	269,131	237,859	268,560	226,663	214,824
Missouri	347,257	318,450	283,514	279,449	258,560	264,954	259,900	41,148
Montana	69,805	60,724	52,452	52,208	46,249	46,864	47,265	241,660
Nebraska	170,013	163,079	138,322	138,238	129,290	134,465	126,135	104,732
Nevada	84,433	58,454	73,182	46,627	41,926	42,256	39,200	33,790
New Hampshire	+ NA	9,474	10,220	10,078	9,655	10,531	10,629	10,291
New Jersey	260,579	339,825	390,121	375,660	405,387	418,220	379,230	353,465
New Mexico	211,182	221,793	196,212	204,163	178,698	161,850	151,128	134,198
New York	623,891	737,443	760,463	775,268	720,398	790,011	762,621	728,802
North Carolina	130,884	153,316	152,496	142,129	136,579	143,854	133,825	135,819
North Dakota	29,236	22,848	34,445	28,370	26,126	30,153	28,096	25,471
Ohio	898,029	896,983	870,341	813,519	747,268	785,297	733,116	716,778
Oklahoma	824,908	722,318	670,971	676,762	628,950	652,953	587,407	554,125
Oregon	93,707	78,703	75,562	70,824	67,045	78,643	83,002	70,373
Pennsylvania	740,818	775,715	784,691	694,639	643,952	676,721	625,667	609,953
Rhode Island	27,219	27,630	29,202	27,874	29,044	31,689	29,874	26,354
South Carolina	119,319	142,228	141,924	98,100	101,632	108,429	97,469	98,549
South Dakota	25,724	24,078	22,056	25,089	23,326	24,592	25,202	23,292
Tennessee	226,477	229,661	223,529	207,161	194,610	206,353	190,2[illegible]6	188,000
Texas	4,001,355	4,091,099	3,926,687	3,394,404	3,241,515	3,432,624	3,385,715	3,185,509
Utah	126,047	115,092	102,239	117,706	110,185	115,578	115,117	105,175
Vermont	+ NA	3,991	4,383	4,370	4,359	4,868	4,998	5,019
Virginia	134,088	158,479	151,737	150,964	142,944	143,582	139,458	1[illegible],024
Washington	158,515	128,770	124,942	108,653	107,193	126,287	134,599	[illegible]360
West Virginia	148,538	143,047	148,527	130,029	115,813	124,368	117,168	112,573
Wisconsin	367,517	351,857	324,611	312,007	299,099	305,076	308,365	278,848
Wyoming	93,797	68,975	69,056	90,923	80,871	85,423	82,172	75,029
Total U.S.	**20,240,761**	**19,877,292**	**19,403,858**	**18,001,055**	**16,834,914**	**17,950,528**	**17,280,943**	**16,221,296**

* Maryland includes District of Columbia through 1979.
+ Maine includes New Hampshire and Vermont through 1979.

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration.

Worldwide Natural Gas Production
By Country
Billions of cubic feet

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
United States	**20,415.1**	**19,999.4**	**20,267.6**	**19,595.8**	**18,904.5**	**17,072.0**	**18,093.0**	**17,611.0**	**16,906.0**	**17,107.0**
Canada	**3,133.1**	**3,646.5**	**2,934.9**	**2,623.0**	**2,629.1**	**2,429.2**	**2,600.0**	**3,196.3**	**3,406.4**	**2,472.7**
Argentina	254.3	241.7	298.7	348.3	383.4	553.7	652.8	672.9	663.1	659.6
Bolivia	130.8	122.5	128.1	151.7	132.2	98.5	91.8	87.8	98.5	98.2
Brazil	85.2	77.0	84.7	96.3	106.2	142.2	172.9	193.3	200.6	203.4
Chile	320.7	306.4	113.5	140.7	178.5	169.8	173.8	208.5	213.4	70.8
Colombia	127.4	116.3	127.8	114.0	105.9	168.5	189.2	185.1	183.3	180.4
Ecuador	99.9	159.4	101.8	89.0	8.2	8.2	16.8	15.6	2.6	2.3
Guatemala	NA	NA	NA	NA	NA	0.0	1.1	1.2	1.2	0.6
Mexico	887.5	974.9	1,193.7	1,485.4	1,544.8	1,468.4	1,373.3	1,312.2	1,252.4	1,277.4
Peru	66.4	41.2	40.4	24.8	29.6	33.6	35.4	44.4	45.0	46.0
Trinidad	159.9	164.6	188.6	192.0	129.7	103.0	121.9	114.7	121.3	135.5
Venezuela	401.4	406.0	518.2	602.0	576.3	559.2	609.6	609.6	615.3	680.3
Latin America	**2,533.5**	**2,610.0**	**2,795.5**	**3,244.2**	**3,194.8**	**3,305.1**	**3,438.6**	**3,445.3**	**3,396.7**	**3,354.5**
Western Hemisphere	**26,081.7**	**26,255.9**	**25,998.0**	**25,463.0**	**24,728.4**	**22,806.3**	**24,131.6**	**24,252.6**	**23,709.1**	**22,934.2**
Austria	67.8	79.2	65.6	89.1	48.9	40.2	44.8	40.8	39.6	41.1
Denmark	NA	NA	NA	NA	NA	19.0	21.4	39.7	60.2	85.7
France	236.6	245.2	269.4	275.2	332.6	289.3	373.4	263.7	149.7	136.8
Germany, West	612.3	722.3	745.6	637.9	591.3	600.2	674.3	608.0	553.7	658.9
Greece	NA	NA	NA	NA	NA	0.0	1.7	1.3	1.9	3.6
Italy	754.3	544.6	530.6	500.0	500.9	456.9	506.8	489.1	527.3	697.2
Netherlands	1,667.5	2,729.8	2,810.6	3,056.8	2,713.2	2,677.8	2,700.8	2,916.4	2,623.3	2,731.2
Norway	359.8	425.9	713.2	928.0	858.4	858.3	922.6	904.2	902.6	994.1
Spain	24.5	25.6	12.6	11.4	12.0	12.0	8.0	10.1	12.7	26.0
Turkey	36.4	21.8	12.0	12.0	7.1	10.2	37.6	51.8	16.4	14.0
United Kingdom	1,277.4	1,977.2	2,145.2	1,427.2	1,293.1	1,408.5	1,405.2	1,502.1	1,568.2	1,655.3
Western Europe	**5,036.6**	**6,771.6**	**7,304.8**	**6,937.6**	**6,357.5**	**6,372.4**	**6,698.6**	**6,827.2**	**6,455.6**	**7,043.9**
Algeria	328.7	338.5	517.0	1,148.8	828.5	706.8	810.0	1,300.0	1,238.3	1,471.6
Angola-Cabinda	62.2	17.0	1.2	7.3	9.9	59.1	78.4	12.0	8.0	6.6
Congo	3.9	0.2	NA	NA	NA	0.0	0.2	1.2	1.1	0.0
Egypt	105.6	90.4	31.0	29.0	86.4	103.0	108.0	132.0	157.5	195.2
Gabon	2.9	3.5	7.1	4.1	3.8	4.8	4.8	8.1	2.4	2.4
Libya	364.0	162.0	132.8	677.7	204.1	98.8	150.0	158.0	165.6	235.2
Morocco	11.4	2.2	2.0	7.6	7.1	3.6	3.6	5.0	2.6	2.1
Nigeria	586.6	365.6	187.6	66.0	66.0	131.8	157.0	88.0	72.8	98.8
Tunisia	92.7	85.0	6.0	9.3	15.0	16.8	18.0	16.4	15.4	13.8
Africa	**1,558.0**	**1,064.4**	**884.7**	**1,949.8**	**1,220.8**	**1,124.7**	**1,330.0**	**1,720.7**	**1,663.7**	**2,025.7**

Worldwide Natural Gas Production
By Country
Billions of cubic feet

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Bahrain	120.7	67.0	92.0	174.9	179.3	193.8	194.3	226.3	215.7	175.8
Iran	1,752.9	918.3	292.0	53.0	269.1	498.0	460.0	440.0	489.3	670.7
Iraq	120.7	48.8	18.0	71.0	38.3	20.1	18.5	21.6	21.0	59.9
Israel	1.5	2.1	1.2	1.3	7.2	13.1	10.4	2.4	2.4	2.1
Kuwait	192.0	211.1	293.3	341.9	219.4	144.7	144.0	144.0	144.4	156.1
Oman	107.2	35.9	12.0	12.0	49.1	86.4	142.0	80.0	48.2	62.4
Qatar	47.7	26.9	38.2	207.0	168.9	87.1	98.0	200.0	206.2	164.4
Saudi Arabia	112.2	215.6	313.2	437.0	493.1	382.2	386.0	232.0	328.7	740.9
Syria	56.1	33.1	17.0	13.0	9.2	8.4	8.4	6.0	4.8	16.8
United Arab Emirates	93.0	44.1	141.3	229.9	308.0	203.7	265.0	316.0	362.1	575.0
Middle East	**2,604.0**	**1,602.9**	**1,218.2**	**1,541.0**	**1,741.6**	**1,637.5**	**1,726.6**	**1,668.3**	**1,822.8**	**2,624.1**
Afghanistan	102.1	83.9	69.7	72.0	122.4	158.2	147.0	102.0	102.0	100.1
Australia	239.2	254.1	275.3	379.3	411.5	417.2	447.7	476.3	520.7	532.8
Brunei	* 328.5	* 302.7	292.0	305.0	321.5	315.5	313.0	306.0	274.8	283.6
Burma	5.2	5.4	12.2	12.0	14.8	16.8	17.0	21.6	23.8	31.7
India	54.9	55.1	74.9	47.3	83.4	102.9	102.5	110.6	212.9	269.1
Indonesia	565.8	816.3	1,028.4	1,078.0	865.6	488.0	596.0	944.0	1,153.3	1,234.8
Japan	97.5	86.6	90.9	113.1	83.4	73.7	74.3	79.0	74.3	77.1
Malaysia	* NA	* NA	36.4	47.6	27.3	45.2	60.0	191.2	218.8	460.9
New Zealand	61.8	42.1	45.0	55.2	103.5	112.3	135.0	170.9	191.7	189.7
Pakistan	163.0	180.5	352.4	601.0	335.5	340.3	354.1	355.7	395.3	419.8
Taiwan	24.6	1.2	43.1	65.0	60.0	60.0	60.0	46.1	35.0	35.7
Thailand	NA	NA	NA	NA	NA	54.2	78.3	121.1	114.5	162.3
Asia-Pacific	**1,642.6**	**1,827.9**	**2,320.3**	**2,775.5**	**2,428.9**	**2,184.3**	**2,384.9**	**2,924.5**	**3,317.1**	**3,797.6**
Eastern Hemisphere	**10,841.2**	**11,266.8**	**11,728.0**	**13,203.9**	**11,748.8**	**11,318.9**	**12,138.1**	**13,140.7**	**13,259.2**	**15,491.3**
Non-Communist	**36,922.9**	**37,522.7**	**37,726.0**	**38,666.9**	**36,477.2**	**34,125.2**	**36,269.7**	**37,393.3**	**36,968.3**	**38,425.5**
China	516.7	526.6	525.4	528.0	531.9	554.0	596.8	652.6	682.4	723.9
Romania	1,211.6	1,210.5	1,176.4	1,440.0	1,157.2	1,198.9	1,206.0	1,272.0	1,210.2	1,267.8
U.S.S.R.	13,207.9	14,458.6	15,298.3	16,325.1	17,720.6	18,988.1	20,714.0	22,701.4	24,272.3	25,673.8
Other Communist	969.9	1,181.1	1,069.0	890.0	946.0	1,050.4	900.0	940.0	1,016.2	1,077.0
Communist	**15,906.1**	**17,376.8**	**18,069.1**	**19,183.1**	**20,355.7**	**21,791.4**	**23,416.8**	**25,566.0**	**27,181.1**	**28,742.5**
Total World	**52,829.0**	**54,899.5**	**55,795.1**	**57,850.0**	**56,832.9**	**55,916.6**	**59,686.5**	**62,959.3**	**64,149.4**	**67,168.0**

* Brunei includes Malaysia for 1978-1979.

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Worldwide Natural Gas Production
Non-Communist, Total World
Billions of cubic feet

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973													
Non-Communist	3,135.5	3,269.4	3,169.6	3,190.6	3,183.2	3,148.4	3,148.6	3,129.6	2,952.6	3,069.0	3,074.8	3,143.4	**37,614.7**
Total World	4,033.7	4,109.1	4,087.3	4,068.8	4,055.3	4,009.6	4,013.3	4,000.7	3,781.0	3,926.5	3,912.7	3,999.9	**47,997.9**
1974													
Non-Communist	3,339.8	3,376.8	3,079.3	3,090.8	2,965.0	2,884.1	2,964.4	2,929.1	3,046.0	2,988.6	3,081.8	3,142.7	**36,888.4**
Total World	4,221.8	4,239.2	3,986.4	3,949.6	3,822.3	3,732.8	3,822.3	3,808.8	3,962.1	3,929.2	4,026.8	4,165.6	**47,666.9**
1975													
Non-Communist	2,858.4	2,981.4	3,003.7	3,007.2	3,083.3	2,981.8	3,062.1	2,827.7	2,888.7	2,824.7	2,872.1	2,840.5	**35,231.6**
Total World	3,854.5	3,989.8	4,007.7	4,003.7	4,081.3	3,947.0	4,031.5	3,784.7	3,869.5	3,862.9	3,973.6	4,001.2	**47,407.4**
1976													
Non-Communist	2,972.2	2,964.7	3,082.4	3,056.1	2,986.2	3,081.7	3,012.9	3,003.1	2,862.7	2,834.6	2,840.2	2,836.6	**35,533.4**
Total World	4,136.5	4,132.1	4,287.9	4,221.8	4,159.6	4,256.2	4,206.8	4,189.2	4,032.9	4,080.2	4,079.1	4,110.8	**49,893.1**
1977													
Non-Communist	3,070.9	3,113.4	3,159.9	3,148.8	3,130.1	3,067.2	2,915.9	2,829.5	2,887.2	3,011.7	3,210.2	3,273.3	**36,818.1**
Total World	4,403.1	4,357.7	4,400.6	4,471.6	4,394.6	4,310.1	4,205.4	4,136.1	4,204.0	4,506.0	4,728.8	4,802.3	**52,920.3**
1978													
Non-Communist	3,378.9	3,483.3	3,231.2	3,046.5	2,912.6	2,940.1	2,962.5	2,825.0	3,256.4	2,943.7	2,963.2	2,979.5	**36,922.9**
Total World	4,856.8	4,967.5	4,714.5	4,485.7	4,366.0	4,349.0	4,405.3	4,279.0	4,660.1	4,480.8	4,498.2	4,574.6	**54,637.5**
1979													
Non-Communist	3,034.9	3,125.7	3,218.9	3,380.2	3,125.9	2,950.9	3,204.4	3,210.3	3,066.9	3,068.3	3,076.1	3,060.2	**37,522.7**
Total World	4,664.5	4,732.1	4,840.8	4,960.6	4,712.3	4,531.9	4,816.7	4,826.2	4,697.3	4,791.3	4,795.6	4,836.3	**57,205.6**
1980													
Non-Communist	3,191.2	3,221.6	3,149.2	3,171.0	3,172.4	3,243.3	3,236.8	3,062.7	3,188.1	3,132.4	2,971.2	2,986.1	**37,726.0**
Total World	4,999.7	4,953.5	4,943.8	4,908.6	4,921.1	4,880.2	4,930.4	4,785.6	4,932.6	4,875.4	4,770.0	4,837.8	**58,738.7**
1981													
Non-Communist	3,300.5	3,280.2	3,323.2	3,348.0	3,403.0	3,404.0	3,391.0	3,099.0	3,096.0	[illegible]996.0	2,992.0	3,034.0	**38,666.9**
Total World	4,949.6	4,808.2	4,972.2	4,923.0	4,946.0	4,912.0	4,898.0	4,666.0	4,663.0	4,659.0	4,655.0	4,729.0	**57,781.0**
1982													
Non-Communist	3,381.0	3,241.3	3,492.5	3,205.2	3,059.6	2,910.2	2,761.4	2,741.6	2,668.7	2,845.0	2,998.4	3,172.3	**36,477.2**
Total World	5,097.0	4,833.3	5,236.0	4,855.5	4,732.5	4,531.9	4,390.2	4,388.0	4,325.7	4,595.5	4,741.0	5,010.3	**56,736.9**
1983													
Non-Communist	3,169.0	2,967.9	3,092.6	2,856.5	2,779.5	2,538.1	2,524.0	2,525.2	2,581.4	2,834.4	2,971.4	3,285.2	**34,125.2**
Total World	5,017.2	4,657.6	4,965.4	4,598.7	4,571.1	4,269.7	4,259.2	4,285.1	4,278.7	4,703.7	4,826.5	5,310.6	**55,743.5**
1984													
Non-Communist	3,377.9	3,233.0	3,265.5	2,991.2	2,881.2	2,746.9	2,777.0	2,756.1	2,781.5	2,978.3	3,091.4	3,389.7	**36,269.7**
Total World	5,331.3	5,087.5	5,229.4	4,877.5	4,785.1	4,576.7	4,652.7	4,660.0	4,681.9	5,005.8	5,108.2	5,473.6	**59,469.7**
1985													
Non-Communist	3,633.3	3,251.2	3,380.1	3,070.2	3,075.3	2,849.1	2,815.9	2,782.2	2,809.4	3,031.0	3,287.7	3,407.9	**37,393.3**
Total World	5,777.2	5,239.8	5,534.6	5,136.4	5,207.4	4,854.1	4,880.9	4,868.4	4,920.3	5,261.9	5,480.4	5,685.3	**62,846.7**
1986													
Non-Communist	3,506.1	3,314.3	3,326.3	2,992.8	2,902.9	2,765.6	2,785.1	2,776.7	2,777.5	2,991.6	3,236.3	3,593.1	**36,968.3**
Total World	5,818.5	5,446.7	5,681.1	5,213.5	5,144.7	4,908.6	4,981.1	4,983.2	4,991.1	5,332.3	5,578.3	6,036.2	**64,115.3**
1987													
Non-Communist	3,761.2	3,283.7	3,480.8	3,118.1	3,070.2	2,934.2	2,986.1	3,013.4	2,975.2	3,244.5	3,433.0	3,728.7	**39,029.1**
Total World	6,237.0	5,568.8	5,946.0	5,456.2	5,443.6	5,201.6	5,288.9	5,316.2	5,313.3	5,722.9	5,946.7	6,323.9	**67,765.1**

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Worldwide Natural Gas Consumption
Billions of cubic feet

	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
United States	20,400.8	20,511.4	21,154.5	20,773.6	20,282.0	18,811.3	17,840.4	19,106.3	18,409.9	17,250.5	17,693.0
Canada	1,880.3	1,937.7	2,052.4	2,019.6	1,958.1	2,003.2	1,937.7	1,958.1	1,835.2	1,675.5	1,687.8
North America	**22,281.1**	**22,449.1**	**23,206.9**	**22,793.2**	**22,240.1**	**20,814.5**	**19,778.1**	**21,064.4**	**20,245.1**	**18,926.0**	**19,380.8**
Austria	172.1	180.2	176.2	172.1	159.8	155.7	155.7	172.1	184.3	180.3	184.4
Belgium & Luxembourg	413.8	405.6	421.9	421.9	389.2	319.5	335.9	348.2	344.1	311.3	348.2
Denmark	NA	NA	NA	NA	NA	NA	NA	4.1	24.6	41.0	53.3
Finland	28.7	32.8	32.8	32.8	24.6	24.6	24.6	28.7	32.8	41.0	57.4
France	835.7	856.2	954.5	966.8	1,003.7	983.2	909.4	962.7	954.5	991.4	1,020.0
Greece	NA	NA	NA	NA	NA	NA	NA	4.1	4.1	4.1	4.1
Ireland	NA	NA	12.3	20.5	36.9	57.4	65.5	69.6	73.7	45.1	53.5
Italy	884.9	921.7	938.1	938.1	934.0	901.2	925.8	1,085.6	1,114.3	1,183.9	1,319.1
Netherlands	1,368.2	1,335.5	1,356.0	1,241.3	1,229.0	1,245.3	1,208.5	1,278.1	1,331.4	1,339.6	1,388.7
Spain	57.4	61.4	57.4	73.7	86.0	94.2	10[illegible].4	81.9	86.0	102.4	114.7
Sweden	NA	NA	NA	NA	NA	NA	NA	NA	4.1	8.2	12.3
Switzerland	24.6	28.7	32.8	32.8	32.8	32.8	36.9	41.0	41.0	36.9	36.9
Turkey	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.3	8.2
United Kingdom	1,511.6	1,552.6	1,716.5	1,696.0	1,736.9	1,[illegible]	1,802.5	1,843.4	1,982.7	2,015.5	2,048.3
West Germany	1,593.6	1,708.3	1,892.6	1,818.9	1,696.0	1,556.7	1,601.7	1,683.7	1,683.7	1,646.8	1,818.9
Western Europe	**6,890.6**	**7,083.0**	**7,591.1**	**7,414.9**	**7,328.9**	**7,099.3**	**7,168.9**	**7,603.2**	**7,861.3**	**7,959.8**	**8,468.0**
Australia	245.8	266.3	319.5	364.6	434.2	446.5	458.8	479.3	508.0	565.3	577.6
New Zealand	57.4	57.4	36.9	36.9	41.0	53.3	86.0	106.5	135.2	172.1	163.9
Australasia	**303.2**	**323.7**	**356.4**	**401.5**	**475.[illegible]**	**499.8**	**544.8**	**585.8**	**643.2**	**737.4**	**741.5**
Japan	446.5	647.3	831.6	958.6	991.[illegible]	1,011.8	1,032.3	1,376.4	1,470.7	1,474.8	1,491.1
Total OECD	**29,921.4**	**30,503.1**	**31,986.0**	**31,568.2**	**31,035.6**	**29,425.4**	**28,524.1**	**30,629.8**	**30,220.3**	**29,098.0**	**30,081.4**
Latin America	1,622.2	1,732.8	2,011.4	2,203.9	2,285.9	2,457.9	2,584.9	2,638.2	2,875.8	2,933.1	3,006.9
Middle East	1,179.8	1,233.1	1,269.9	1,396.9	1,446.1	1,401.0	1,384.6	1,675.5	1,888.5	1,966.3	2,101.5
Africa	282.7	454.7	675.9	700.5	872.6	934.0	1,032.3	1,020.0	1,093.8	1,167.5	1,278.1
South Asia	385.1	397.4	262.2	299.0	364.6	483.4	520.3	524.4	565.3	688.2	721.0
South East Asia	184.3	180.2	225.3	258.1	270.4	299.0	327.7	376.9	454.7	475.2	651.3
Other Non-Communist	**3,654.1**	**3,998.2**	**4,444.7**	**4,858.4**	**5,239.6**	**5,575.3**	**5,849.8**	**6,235.0**	**6,878.1**	**7,230.3**	**7,758.8**
Total Non-Communist	**33,575.5**	**34,501.3**	**36,430.7**	**36,426.6**	**36,275.2**	**35,000.7**	**34,373.9**	**36,864.8**	**37,098.4**	**36,328.3**	**37,840.2**
China	446.5	479.3	508.0	479.3	426.0	389.2	438.3	442.4	471.1	495.7	524.4
USSR	11,109.8	11,847.2	12,576.4	13,018.8	13,817.6	15,714.3	15,968.3	17,357.0	19,053.0	20,122.2	21,310.2
Others	2,703.7	2,843.0	2,990.5	3,215.8	3,310.0	3,383.7	3,527.1	3,719.7	3,789.3	3,977.7	4,059.7
Total Communist	**14,260.0**	**15,169.5**	**16,074.9**	**16,713.9**	**17,553.6**	**19,487.2**	**19,933.7**	**21,519.1**	**23,313.4**	**24,595.6**	**25,894.3**
Total World	**47,835.5**	**49,670.8**	**52,505.6**	**53,140.5**	**53,828.8**	**54,487.9**	**54,307.6**	**58,383.9**	**60,411.8**	**60,923.9**	**63,734.5**

Data from Oil & Gas Journal Energy Database.
Source: British Petroleum

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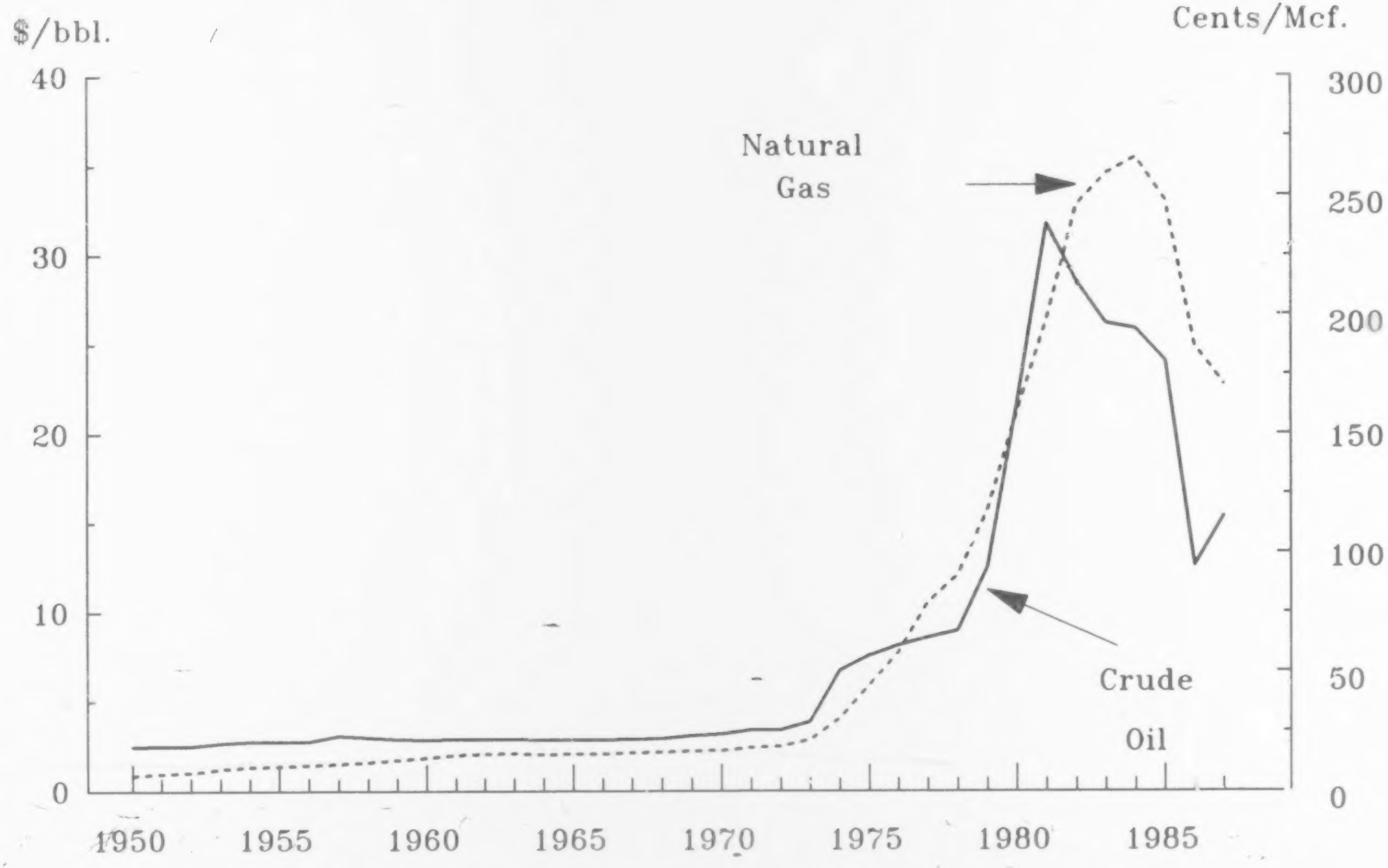
Wellhead Crude and Natural Gas Prices



Source: BOM, EIA

U.S. Average Crude Oil Price
At the Wellhead
Dollars per barrel

Year	$/bbl	Year	$/bbl	Year	$/bbl
1859	20.00	1902	0.80	1945	1.22
1860	9.60	1903	0.94	1946	1.41
1861	0.52	1904	0.86	1947	1.93
1862	1.05	1905	0.62	1948	2.60
1863	3.15	1906	0.73	1949	2.54
1864	8.15	1907	0.72	1950	2.51
1865	6.59	1908	0.72	1951	2.53
1866	3.75	1909	0.70	1952	2.53
1867	2.40	1910	0.61	1953	2.68
1868	3.62	1911	0.61	1954	2.78
1869	5.60	1912	0.74	1955	2.77
1870	3.90	1913	0.95	1956	2.79
1871	4.40	1914	0.81	1957	3.09
1872	3.75	1915	0.64	1958	3.01
1873	1.80	1916	1.10	1959	2.90
1874	1.15	1917	1.56	1960	2.88
1875	0.97	1918	1.98	1961	2.89
1876	2.52	1919	2.01	1962	2.90
1877	2.38	1920	3.07	1963	2.89
1878	1.17	1921	1.73	1964	2.88
1879	0.86	1922	1.61	1965	2.86
1880	0.94	1923	1.34	1966	2.88
1881	0.92	1924	1.43	1967	2.92
1882	0.78	1925	1.68	1968	2.94
1883	1.10	1926	1.88	1969	3.09
1884	0.85	1927	1.30	1970	3.18
1885	0.88	1928	1.17	1971	3.39
1886	0.71	1929	1.27	1972	3.39
1887	0.67	1930	1.19	1973	3.89
1888	0.65	1931	0.65	1974	6.74
1889	0.77	1932	0.87	1975	7.56
1890	0.77	1933	0.67	1976	8.14
1891	0.56	1934	1.00	1977	8.57
1892	0.51	1935	0.97	1978	8.96
1893	0.60	1936	1.09	1979	12.51
1894	0.72	1937	1.18	1980	21.59
1895	1.09	1938	1.13	1981	31.77
1896	0.96	1939	1.02	1982	28.52
1897	0.68	1940	1.02	1983	26.19
1898	0.80	1941	1.14	1984	25.88
1899	1.13	1942	1.19	1985	24.09
1900	1.19	1943	1.20	1986	12.51
1901	0.96	1944	1.21	1987	15.41

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, American Petroleum Institute,
Energy Information Administration

U.S. Average Price of Crude Oil at the Wellhead
Dollars per barrel

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1974	6.95	6.87	6.77	6.77	6.87	6.85	6.80	6.71	6.70	6.97	6.97	7.09	**6.86**
1975	7.61	7.47	7.57	7.55	7.52	7.49	7.75	7.73	7.75	7.83	7.80	7.93	**7.67**
1976	8.63	7.87	7.79	7.86	7.89	7.99	8.04	8.03	8.39	8.46	8.62	8.62	**8.18**
1977	8.50	8.57	8.45	8.40	8.49	8.44	8.48	8.62	8.63	8.72	8.72	8.77	**8.57**
1978	8.68	8.84	8.80	8.82	8.81	9.05	8.96	9.05	9.15	9.17	9.20	9.47	**9.00**
1979	9.46	9.69	9.83	10.33	10.71	11.70	13.39	14.00	14.57	15.11	15.52	17.03	**12.61**
1980	17.86	18.81	19.34	20.29	21.01	21.53	22.26	22.63	22.59	23.23	23.92	25.80	**21.61**
1981	28.85	34.14	34.70	34.05	32.71	31.71	31.13	31.13	31.13	31.00	30.98	30.72	**31.85**
1982	30.87	29.76	28.31	27.65	27.67	28.11	28.33	28.18	27.99	28.74	28.70	28.12	**28.54**
1983	27.22	26.41	26.08	25.85	26.08	25.98	25.86	26.03	26.08	26.04	26.09	25.88	**26.13**
1984	25.93	26.06	26.05	25.93	26.00	26.09	26.11	26.02	25.97	25.92	25.44	25.05	**25.88**
1985	24.26	23.64	23.89	24.19	24.18	24.07	24.04	23.99	23.96	24.10	24.27	24.51	**24.09**
1986	23.12	17.65	12.62	10.68	10.75	10.68	9.25	9.77	11.09	11.00	11.05	11.73	**12.45**
1987	13.89	14.50	14.53	14.95	15.29	15.95	16.88	17.06	16.29	15.95	15.46	14.27	**15.42**

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

U.S. Average Refiner's Acquisition Cost of Crude Oil
Dollars per barrel

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1978													
Domestic	10.14	10.25	10.46	10.55	10.60	10.72	10.58	10.65	10.65	10.78	10.87	11.00	**10.60**
Imported	14.52	14.41	14.57	14.40	14.51	14.54	14.49	14.46	14.53	14.63	14.74	14.94	**14.56**
Composite	12.13	12.19	12.23	12.20	12.35	12.48	12.45	12.46	12.57	12.62	12.76	12.93	**12.45**
1979													
Domestic	11.02	11.34	11.45	12.06	12.41	13.24	14.61	15.73	16.05	16.93	17.65	18.84	**14.28**
Imported	15.50	15.88	16.41	17.58	19.00	21.03	23.09	23.98	25.06	25.05	27.02	28.91	**21.54**
Composite	13.11	13.42	13.70	14.52	15.40	17.00	18.58	19.75	20.14	20.68	22.04	23.63	**17.66**
1980													
Domestic	19.78	21.22	22.07	22.89	23.63	24.48	25.05	24.98	25.37	26.21	26.51	28.55	**24.23**
Imported	30.75	32.40	33.42	33.54	34.33	34.48	34.51	34.44	34.46	34.63	35.09	35.63	**33.97**
Composite	24.81	26.11	26.88	27.09	27.85	28.80	28.73	28.70	28.96	29.56	29.79	31.39	**28.22**
1981													
Domestic	32.71	36.27	36.97	35.58	35.21	34.20	33.76	33.79	33.47	33.48	33.49	33.51	**34.37**
Imported	38.85	39.00	38.31	38.41	37.84	37.03	36.58	35.82	35.44	35.43	36.21	35.95	**37.07**
Composite	34.86	37.28	37.48	36.58	36.11	35.03	34.70	34.46	34.11	34.07	34.33	34.33	**35.28**
1982													
Domestic	33.39	32.71	31.08	30.27	30.37	30.79	30.92	30.85	30.76	31.38	31.57	30.80	**31.24**
Imported	35.54	35.48	34.07	32.82	32.78	33.79	33.44	32.95	33.03	33.28	33.09	32.85	**33.59**
Composite	33.95	33.40	31.81	30.83	31.02	31.74	31.74	31.45	31.40	31.98	32.07	31.29	**31.89**
1983													
Domestic	31.40	30.76	28.43	27.95	28.53	29.23	28.76	28.58	28.69	28.88	28.76	28.62	**29.05**
Imported	31.40	30.76	28.43	27.95	28.53	29.23	28.76	29.50	29.54	29.67	29.09	29.30	**29.35**
Composite	30.73	29.49	28.64	28.33	28.64	28.85	28.75	28.88	28.97	29.14	28.85	28.83	**29.01**
1984													
Domestic	28.62	28.76	28.75	28.63	28.65	28.58	28.70	28.59	28.56	28.46	28.10	27.95	**28.53**
Imported	28.80	28.91	28.95	29.11	29.26	29.19	29.00	28.92	28.70	28.79	28.74	28.02	**28.87**
Composite	28.67	28.81	28.81	28.77	28.83	28.77	28.79	28.69	28.60	28.56	28.30	27.97	**28.63**
1985													
Domestic	26.89	26.35	26.60	26.79	26.91	26.60	26.60	26.46	26.41	26.60	26.73	26.93	**26.66**
Imported	27.49	26.99	27.20	27.59	27.60	27.25	26.57	26.61	26.56	26.79	27.12	26.21	**27.00**
Composite	27.02	26.49	26.76	27.03	27 12	26.76	26.59	26.50	26.45	26.66	26.86	26.72	**26.75**
1986													
Domestic	25.91	20.31	15.02	13.01	12.99	13.12	11.44	11.97	13.29	13.20	13.22	13.66	**14.76**
Imported	24.93	18.11	14.22	13.15	13.17	12.25	10.91	11.87	12.85	12.78	13.46	14.17	**14.32**
Composite	25.63	19.76	14.80	13.05	13.05	12.83	11.26	11.93	13.13	13.05	13.30	13.84	**14.64**
1987													
Domestic	16.02	16.76	16.93	17.21	17.64	18.34	19.05	19.41	18.58	18.37	17.95	17.03	**17.77**
Imported	16.43	16.96	17.24	17.88	18.24	18.71	19.25	19.30	18.55	18.57	18.16	17.45	**18.08**
Composite	16.17	16.82	17.03	17.43	17.84	18.47	19.14	19.36	18.57	18.45	18.03	17.19	**17.88**

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Posted Price for West Texas Intermediate
Beginning of the Month
Dollars per barrel

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1946	1.17	1.17	1.17	1.27	1.27	1.27	1.27	1.52	1.52	1.52	1.52	1.62	**1.36**
1947	1.62	1.62	1.62	1.87	1.87	1.87	1.87	1.87	1.87	1.87	2.07	2.07	**1.84**
1948	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	**2.57**
1949	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	**2.57**
1950	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	**2.57**
1951	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	**2.57**
1952	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	**2.57**
1953	2.57	2.57	2.57	2.57	2.57	2.82	2.82	2.82	2.82	2.82	2.82	2.82	**2.72**
1954	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82	**2.82**
1955	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82	**2.82**
1956	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82	**2.82**
1957	2.82	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.00	**3.04**
1958	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.00	3.00	**3.06**
1959	3.00	3.00	2.97	2.97	2.97	2.97	2.97	2.97	2.97	2.97	2.97	2.97	**2.98**
1960	2.97	2.97	2.97	2.97	2.97	2.97	2.97	2.97	2.97	2.97	2.97	2.97	**2.97**
1961	2.97	2.97	2.97	2.97	2.97	2.97	2.97	2.97	2.97	2.97	2.97	2.97	**2.97**
1962	2.97	2.97	2.97	2.97	2.97	2.97	2.97	2.97	2.97	2.97	2.97	2.97	**2.97**
1963	2.97	2.97	2.97	2.97	2.97	2.97	2.97	2.97	2.97	2.97	2.97	2.97	**2.97**
1964	2.97	2.97	2.97	2.97	2.97	2.97	2.92	2.92	2.92	2.92	2.92	2.92	**2.95**
1965	2.92	2.92	2.92	2.92	2.92	2.92	2.92	2.92	2.92	2.92	2.92	2.92	**2.92**
1966	2.92	2.92	2.92	2.92	2.92	2.92	2.92	2.92	2.97	2.97	2.97	2.97	**2.94**
1967	2.97	3.00	3.00	3.00	3.00	3.00	3.00	3.07	3.07	3.07	3.07	3.07	**3.03**
1968	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	**3.07**
1969	3.07	3.07	3.25	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	**3.30**
1970	3.35	3.35	3.35	3.35	3.35	3.35	3.31	3.31	3.31	3.31	3.31	3.56	**3.35**
1971	3.56	3.56	3.56	3.56	3.56	3.56	3.56	3.56	3.56	3.56	3.56	3.56	**3.56**
1972	3.56	3.56	3.56	3.56	3.56	3.56	3.56	3.56	3.56	3.56	3.56	3.56	**3.56**
1973	3.56	3.56	3.56	3.56	3.56	3.56	3.56	4.31	4.31	4.31	4.31	4.31	**3.87**
1974	10.11	10.11	10.11	10.11	10.11	10.11	10.11	10.11	10.11	11.16	11.16	11.16	**10.37**
1975	11.16	11.16	11.16	11.16	11.16	11.16	11.16	11.16	11.16	11.16	11.16	11.16	**11.16**
1976	11.16	12.03	12.10	12.17	12.17	12.17	12.17	12.17	13.90	13.90	13.90	13.90	**12.65**
1977	13.90	13.90	13.90	13.90	13.90	13.90	13.90	14.85	14.85	14.85	14.85	14.85	**14.30**
1978	14.85	14.85	14.85	14.85	14.85	14.85	14.85	14.85	14.85	14.85	14.85	14.85	**14.85**
1979	14.85	15.85	15.85	15.85	18.10	19.10	21.75	26.50	28.50	29.00	31.00	32.50	**22.40**
1980	32.50	37.00	38.00	39.50	39.50	39.50	39.50	38.00	36.00	36.00	36.00	37.00	**37.38**

Posted Price for West Texas Intermediate
Beginning of the Month
Dollars per barrel

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1981	38.00	38.00	38.00	38.00	38.00	36.00	36.00	36.00	36.00	35.00	36.00	35.00	**36.67**
1982	35.00	34.00	33.00	33.00	33.00	32.00	32.00	32.00	32.00	32.00	33.00	32.00	**32.75**
1983	32.00	31.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	**30.25**
1984	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	29.00	29.00	**29.83**
1985	29.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	**28.08**
1986	28.00	25.00	18.75	15.00	13.25	14.00	14.00	12.25	14.25	14.25	14.25	14.25	**16.44**
1987	16.50	17.50	17.50	17.50	17.50	18.50	18.50	20.00	19.50	18.50	19.00	18.00	**18.21**

Data from Oil & Gas Journal Energy Database.
Source: Major U.S. Refiners

U.S. Crude Oil Price
By State
Dollars per barrel

	1901	1902	1903	1904	1905	1906	1907	1908	1909
California	0.57	0.35	0.30	0.28	0.25	0.29	0.37	0.52	0.55
Colorado	1.00	1.22	0.89	1.15	0.90	0.80	0.82	0.91	1.02
Illinois	5.00	5.00	NA	NA	0.64	0.75	0.68	0.67	0.64
Indiana	0.84	0.87	1.14	1.08	0.86	0.88	0.89	0.98	0.87
Kansas	0.86	0.88	1.06	0.97	0.55	0.44	0.40	0.41	0.39
Kentucky	0.81	0.76	0.88	0.99	0.78	0.85	1.05	0.97	0.81
Louisiana	NA	0.34	0.45	0.36	0.18	0.39	0.81	0.61	0.66
New York	1.21	1.37	1.59	1.63	1.39	1.60	1.76	1.79	1.66
Ohio	0.95	0.99	1.28	1.26	1.04	1.15	1.21	1.31	1.24
Oklahoma	NA	0.88	1.03	0.97	NA	NA	0.40	0.39	0.36
Pennsylvania	1.22	1.27	1.60	1.64	1.40	1.62	1.76	1.79	1.66
Texas	0.28	0.22	0.42	0.37	0.27	0.52	0.84	0.60	0.71
West Virginia	1.21	1.26	1.59	1.63	1.39	1.60	1.74	1.78	1.64
Wyoming	7.00	7.00	7.00	7.00	6.10	7.00	2.34	1.57	1.72
Total U.S.	**0.96**	**0.80**	**0.94**	**0.86**	**0.62**	**0.73**	**0.72**	**0.72**	**0.70**

	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919
California	0.49	0.48	0.45	0.47	0.48	0.42	0.59	0.92	1.22	1.41
Colorado	1.02	1.01	0.97	0.93	0.90	0.88	1.10	1.06	1.32	1.51
Illinois	0.59	0.63	0.85	1.30	1.16	0.98	1.65	1.99	2.34	2.48
Indiana	0.73	0.74	0.91	1.34	1.16	0.93	1.57	1.94	2.31	2.35
Kansas	0.39	0.48	0.69	0.95	0.78	0.60	1.18	1.84	2.21	2.33
Kentucky	0.69	0.70	0.88	1.29	0.99	0.96	1.82	2.28	2.58	2.65
Louisiana	0.52	0.53	0.76	0.98	0.90	0.59	0.96	1.60	1.72	1.56
Montana	NA	NA	NA	NA	NA	NA	0.98	1.47	1.82	1.90
New York	1.34	1.31	1.60	2.41	1.88	1.57	2.51	3.24	4.09	4.11
Ohio	1.07	1.08	1.35	2.00	1.57	1.29	2.09	2.72	3.22	3.02
Oklahoma	0.38	0.47	0.67	0.94	0.79	0.58	1.20	1.69	2.24	2.12
Pennsylvania	1.35	1.32	1.64	2.49	1.91	1.59	2.52	3.25	4.00	4.14
Texas	0.74	0.69	0.75	0.98	0.75	0.52	0.93	1.32	1.93	1.99
West Virginia	1.34	1.30	1.64	2.49	1.91	1.56	2.51	3.25	4.02	4.19
Wyoming	0.81	0.66	0.51	0.49	0.47	0.52	0.91	1.23	1.44	1.48
Total U.S.	**0.61**	**0.61**	**0.74**	**0.95**	**0.81**	**0.64**	**1.10**	**1.56**	**1.98**	**2.01**

U.S. Crude Oil Price
By State
Dollars per barrel

	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929
Arkansas	NA	1.22	1.61	0.69	0.94	0.89	1.11	1.06	0.86	0.88
California	1.73	1.80	1.25	0.92	1.20	1.42	1.54	1.13	0.99	1.10
Colorado	1.79	1.22	1.18	1.19	1.10	1.48	1.84	1.20	0.99	1.01
Illinois	3.67	2.05	2.06	1.87	1.76	1.94	2.22	1.67	1.54	1.65
Indiana	3.61	2.08	2.05	1.82	1.84	1.95	2.19	1.63	1.50	1.64
Kansas	3.42	1.88	1.77	1.63	1.54	1.94	2.26	1.42	1.36	1.46
Kentucky	3.92	1.86	1.98	1.97	1.97	2.32	2.43	1.67	1.61	1.70
Louisiana	3.15	1.57	1.50	1.47	1.44	1.60	1.65	1.30	1.18	1.25
Michigan	NA	NA	NA	NA	NA	2.50	2.69	1.90	1.55	1.36
Montana	3.07	1.57	1.65	1.47	1.33	1.57	1.32	1.40	1.59	1.82
New Mexico	NA	NA	NA	NA	1.30	1.71	1.96	1.37	1.36	1.19
New York	6.00	3.30	3.14	3.31	3.64	3.70	3.68	3.17	3.36	3.90
Ohio	5.05	2.93	2.56	2.41	2.52	2.53	2.64	1.97	2.06	2.34
Oklahoma	3.36	1.60	1.73	1.74	1.57	1.97	2.31	1.43	1.39	1.43
Pennsylvania	5.98	3.33	3.21	3.33	3.61	3.62	3.56	3.06	3.27	3.79
Texas	3.24	1.53	1.59	1.48	1.52	1.81	1.85	1.14	0.92	1.09
West Virginia	6.08	3.39	3.26	3.27	3.52	3.48	3.46	2.89	3.03	3.60
Wyoming	2.97	1.22	1.27	1.09	1.23	1.76	1.98	1.40	1.28	1.28
Total U.S.	**3.07**	**1.73**	**1.61**	**1.34**	**1.43**	**1.68**	**1.88**	**1.30**	**1.17**	**1.27**

	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939
Arkansas	0.88	0.49	0.64	0.42	0.72	0.72	0.78	0.97	0.93	0.79
California	1.20	0.72	0.81	0.83	0.92	0.82	1.01	1.02	1.03	1.02
Colorado	0.89	0.53	0.77	0.59	0.93	0.91	1.01	1.12	1.09	0.95
Illinois	1.59	0.89	1.01	0.87	1.11	1.11	1.20	1.33	1.25	1.07
Indiana	1.62	0.89	1.03	0.88	1.15	1.13	1.23	1.35	1.27	0.98
Kansas	1.32	0.69	0.91	0.66	1.03	1.03	1.13	1.25	1.20	1.04
Kentucky	1.50	0.82	0.94	0.82	1.16	1.14	1.29	1.40	1.30	1.05
Louisiana	1.12	0.65	0.85	0.61	0.97	0.99	1.06	1.21	1.16	1.05
Michigan	1.32	0.75	0.76	0.90	1.02	1.04	1.34	1.32	1.03	0.91
Mississippi	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.88
Montana	1.62	0.96	1.04	0.98	1.22	1.34	1.31	1.26	1.05	0.98
New Mexico	0.90	0.43	0.61	0.46	0.75	0.78	0.84	0.94	0.93	0.82
New York	2.70	2.02	1.89	1.87	2.46	2.14	2.44	2.58	1.89	2.09
Ohio	1.84	1.05	1.17	1.07	1.61	1.45	1.58	1.64	1.17	1.14
Oklahoma	1.29	0.66	0.90	0.66	1.02	1.02	1.12	1.24	1.20	1.04
Pennsylvania	2.61	1.98	1.89	1.87	2.43	2.14	2.43	2.57	1.88	2.08
Texas	0.99	0.51	0.83	0.56	0.95	0.94	1.05	1.16	1.13	0.99
West Virginia	2.33	1.58	1.56	1.54	2.10	1.85	2.13	2.29	1.52	1.68
Wyoming	1.25	0.75	0.82	0.59	0.84	0.85	0.94	0.98	0.95	0.85
Total U.S.	**1.19**	**0.65**	**0.87**	**0.67**	**1.00**	**0.97**	**1.09**	**1.18**	**1.13**	**1.02**

U.S. Crude Oil Price
By State
Dollars per barrel

	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949
Arkansas	0.84	0.93	0.99	0.99	1.05	1.07	1.26	1.82	2.48	2.48
California	0.97	1.04	1.03	1.05	1.06	1.06	1.23	1.72	2.42	2.26
Colorado	0.91	1.07	1.11	1.13	1.15	1.15	1.32	1.89	2.56	2.55
Illinois	1.06	1.30	1.36	1.37	1.39	1.40	1.59	2.10	2.77	2.77
Indiana	1.04	1.27	1.35	1.35	1.38	1.42	1.59	2.10	2.77	2.77
Kansas	1.04	1.15	1.20	1.20	1.22	1.24	1.42	1.93	2.60	2.58
Kentucky	1.04	1.30	1.36	1.37	1.42	1.48	1.61	2.11	2.77	2.76
Louisiana	1.04	1.14	1.19	1.22	1.22	1.23	1.45	2.01	2.68	2.66
Michigan	1.02	1.34	1.39	1.41	1.43	1.45	1.62	2.13	2.86	2.75
Mississippi	0.85	0.91	0.92	0.98	1.02	1.01	1.24	1.76	2.41	2.46
Montana	0.99	1.06	1.11	1.20	1.24	1.28	1.44	1.94	2.58	2.58
Nebraska	0.80	0.84	0.90	0.90	1.10	1.21	1.35	1.85	2.43	2.21
New Mexico	0.83	0.94	1.00	1.00	1.00	1.01	1.21	1.77	2.45	2.44
New York	2.32	2.57	2.95	3.01	3.33	3.76	3.83	4.21	4.49	3.56
Ohio	1.30	1.64	1.90	2.05	2.23	2.56	2.65	3.36	4.22	2.93
Oklahoma	1.04	1.13	1.19	1.19	1.23	1.27	1.44	1.92	2.58	2.56
Pennsylvania	2.29	2.54	2.94	2.98	3.29	3.73	3.82	4.19	4.96	3.57
Texas	1.00	1.12	1.17	1.21	1.21	1.21	1.41	1.95	2.61	2.59
West Virginia	1.86	2.15	2.53	2.59	2.90	3.34	3.40	3.90	4.76	3.09
Wyoming	0.80	0.86	0.88	0.98	1.00	1.01	1.14	1.68	2.33	2.28
Total U.S.	**1.02**	**1.14**	**1.19**	**1.20**	**1.21**	**1.22**	**1.41**	**1.93**	**2.60**	**2.54**

	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959
Alaska	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.58
Arkansas	2.46	2.48	2.46	2.60	2.73	2.71	2.69	2.92	2.82	2.77
California	2.16	2.25	2.23	2.49	2.55	2.50	2.62	3.05	2.90	2.55
Colorado	2.55	2.54	2.55	2.71	2.77	2.75	2.78	3.02	2.99	2.90
Illinois	2.77	2.77	2.76	2.89	2.98	2.91	2.93	3.12	3.00	2.99
Indiana	2.76	2.75	2.75	2.93	2.96	2.91	2.93	3.13	3.01	2.97
Kansas	2.57	2.57	2.56	2.69	2.81	2.80	2.79	3.01	3.00	2.91
Kentucky	2.76	2.77	2.76	2.91	2.92	2.89	2.91	3.13	2.95	2.81
Louisiana	2.65	2.65	2.64	2.81	2.93	2.93	2.93	3.32	3.26	3.16
Michigan	2.70	2.72	2.66	2.92	2.96	2.92	2.87	3.06	2.94	2.94
Mississippi	2.31	2.24	2.23	2.36	2.50	2.46	2.45	2.91	2.86	2.84
Montana	2.52	2.47	2.25	2.18	2.20	2.26	2.58	2.70	2.65	2.56
Nebraska	2.13	2.33	2.44	2.71	2.75	2.75	2.79	2.98	2.94	2.88
New Mexico	2.43	2.45	2.47	2.63	2.75	2.74	2.75	2.99	2.98	2.85
New York	3.78	4.23	4.23	4.28	3.42	3.55	4.40	4.73	4.23	4.24
North Dakota	NA	NA	2.00	2.00	2.14	2.89	2.90	3.13	2.99	2.80
Ohio	3.03	3.05	2.99	2.69	2.76	2.89	3.14	3.23	2.89	2.87
Oklahoma	2.57	2.57	2.56	2.70	2.79	2.78	2.78	3.03	2.96	2.92
Pennsylvania	3.82	4.25	4.25	4.29	3.42	3.54	4.34	4.73	4.10	4.20
Texas	2.59	2.58	2.58	2.73	2.84	2.84	2.83	3.11	3.06	2.98
Utah	NA	NA	NA	NA	NA	NA	NA	NA	2.99	2.86
West Virginia	3.33	3.76	3.76	3.81	2.93	3.05	3.86	4.26	3.49	3.60
Wyoming	2.16	2.15	2.18	2.37	2.45	2.41	2.44	2.66	2.61	2.50
Total U.S.	**2.51**	**2.53**	**2.53**	**2.68**	**2.78**	**2.77**	**2.79**	**3.09**	**3.01**	**2.90**

U.S. Crude Oil Price
By State
Dollars per barrel

	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969
Alabama	2.90	2.75	2.59	2.59	2.60	2.61	2.60	2.65	2.67	2.70
Alaska	2.20	2.79	3.04	3.04	3.04	3.06	3.06	3.13	2.82	2.90
Arizona	2.80	2.50	2.76	2.80	2.75	2.85	2.80	2.80	2.85	2.90
Arkansas	2.77	2.75	2.66	2.66	2.66	2.66	2.66	2.70	2.73	2.83
California	2.46	2.43	2.50	2.48	2.43	2.38	2.35	2.31	2.35	2.45
Colorado	2.90	2.88	2.88	2.88	2.88	2.88	2.91	2.92	2.95	3.12
Florida	2.45	2.40	2.10	1.99	2.01	2.05	2.20	2.25	2.31	2.47
Illinois	2.96	2.99	2.98	2.98	2.93	2.93	3.00	3.04	3.07	3.18
Indiana	2.94	2.98	2.98	2.96	2.85	2.84	3.00	2.98	3.05	3.19
Kansas	2.90	2.89	2.91	2.91	2.92	2.92	2.95	3.00	3.02	3.20
Kentucky	2.85	2.97	2.95	2.92	2.87	2.87	2.85	2.90	2.93	3.11
Louisiana	3.14	3.15	3.15	3.12	3.11	3.10	3.11	3.12	3.14	3.30
Michigan	2.91	2.92	2.85	2.85	2.81	2.79	2.87	2.89	2.95	3.07
Mississippi	2.83	2.82	2.78	2.76	2.67	2.64	2.65	2.72	2.80	2.92
Montana	2.41	2.42	2.42	2.44	2.43	2.43	2.44	2.56	2.57	2.69
Nebraska	2.87	2.85	2.83	2.83	2.70	2.66	2.72	2.75	2.79	2.98
New Mexico	2.85	2.86	2.88	2.88	2.87	2.81	2.84	2.92	2.95	3.13
New York	4.64	4.76	4.60	4.59	4.44	4.44	4.57	4.58	4.63	4.52
North Dakota	2.71	2.72	2.75	2.73	2.48	2.50	2.55	2.60	2.64	2.80
Ohio	2.97	3.09	3.10	3.15	2.93	2.94	3.00	3.17	3.19	3.29
Oklahoma	2.92	2.91	2.92	2.91	2.90	2.89	2.91	2.93	2.99	3.12
Pennsylvania	4.55	4.71	4.57	4.56	4.32	4.32	4.45	4.49	4.49	4.52
South Dakota	2.40	2.42	2.00	1.99	2.00	2.00	2.00	2.38	2.15	2.29
Tennessee	3.00	2.65	2.59	2.50	2.50	2.40	2.60	2.85	2.50	2.77
Texas	2.96	2.97	2.99	2.97	2.96	2.96	2.97	3.01	3.04	3.21
Utah	2.74	2.75	2.74	2.72	2.62	2.61	2.64	2.63	2.67	2.80
West Virginia	4.07	4.14	4.00	3.99	3.85	3.85	3.98	4.00	3.97	3.83
Wyoming	2.51	2.50	2.49	2.50	2.53	2.50	2.56	2.58	2.64	2.80
Total U.S.	**2.88**	**2.89**	**2.90**	**2.89**	**2.88**	**2.86**	**2.88**	**2.92**	**2.94**	**3.09**

U.S. Crude Oil Price
By State
Dollars per barrel

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Alabama	2.84	3.00	3.07	3.58	8.54	10.13	10.57	9.67	10.52	11.97
Alaska	3.01	3.24	3.23	3.62	4.92	5.22	5.03	5.84	* 5.21	* 10.57
Arizona	2.96	3.17	3.25	3.86	5.25	5.25	5.25	5.25	5.92	8.29
Arkansas	2.87	3.11	3.15	3.92	7.43	8.88	9.65	9.93	10.63	14.72
California	2.54	2.72	2.71	3.11	5.30	6.03	6.15	7.31	8.58	12.78
Colorado	3.18	3.39	3.41	4.25	7.57	9.60	9.65	10.10	10.84	13.28
Florida	2.49	2.91	2.91	4.59	9.66	11.71	11.24	11.67	NA	NA
Illinois	3.25	3.47	3.47	4.32	8.87	10.48	10.18	12.27	13.81	23.49
Indiana	3.20	3.42	3.42	3.92	8.62	10.54	10.89	12.46	13.70	23.28
Kansas	3.27	3.52	3.[illegible]2	4.25	7.96	9.50	9.50	10.00	13.20	21.57
Kentucky	3.15	3.36	3.36	3.97	8.72	11.19	11.42	13.02	13.73	22.55
Louisiana	3.88	3.59	3.59	4.00	6.53	7.09	7.51	8.33	9.03	11.42
Michigan	3.10	3.27	3.20	4.07	8.59	10.74	10.84	11.00	11.86	14.47
Mississippi	2.99	3.15	3.15	3.81	6.10	6.66	7.14	8.20	7.91	10.74
Montana	2.78	3.01	3.07	3.33	6.65	7.83	8.42	8.58	9.04	12.03
Nebraska	3.09	3.38	3.38	3.87	6.83	9.01	8.99	10.46	11.40	18.13
New Mexico	3.20	3.40	3.41	4.10	7.22	8.29	8.84	9.23	10.17	14.33
New York	4.52	4.70	4.81	5.60	10.65	12.22	12.25	14.20	NA	NA
North Dakota	3.05	3.27	3.28	3.90	6.04	7.32	7.84	8.00	9.75	13.64
Ohio	3.34	3.60	3.76	[illegible].08	9.83	11.89	11.77	13.16	13.80	22.79
Oklahoma	3.19	3.40	3.41	3.78	7.18	8.52	9.19	9.98	11.30	17.53
Pennsylvania	4.52	4.66	4.77	5.62	10.41	12.15	12.16	14.29	14.72	24.13
South Dakota	2.34	2.59	2.62	3.59	6.65	12.70	12.35	12.00	12.16	15.35
Tennessee	2.82	3.05	3.00	3.36	9.42	11.51	13.72	13.75	12.70	20.26
Texas	3.28	3.48	3.48	3.98	6.95	7.64	8.59	8.78	9.29	12.65
Utah	2.81	3.04	3.04	3.61	7.11	8.23	9.30	9.33	9.98	11.41
West Virginia	3.80	3.91	4.50	5.02	10.15	11.99	12.00	13.97	14.48	23.35
Wyoming	2.93	3.10	3.09	3.82	6.53	7.24	7.24	7.62	9.16	11.73
Total U.S.	3.18	3.39	3.39	3.89	6.74	7.56	8.14	8.57	8.96	12.51

U.S. Crude Oil Price
By State
Dollars per barrel

	1980	1981	1982	1983	1984	1985	1986	1987
Alabama	20.57	35.80	32.32	30.07	29.39	25.77	13.91	16.76
Alaska	* 16.87	* 23.23	* 19.92	* 17.69	* 17.91	* 16.98	* 6.45	* 10.84
Arizona	12.30	24.00	31.00	30.00	27.00	27.00	15.15	NA
Arkansas	24.17	33.69	30.12	28.28	28.15	25.79	14.54	17.23
California	23.87	26.80	24.58	22.61	22.09	22.14	11.90	13.91
Offshore Calif.+	16.28	24.56	23.37	20.54	20.41	20.08	9.48	11.82
Colorado	22.91	35.69	31.56	28.92	28.09	25.64	13.98	17.71
Florida	NA	NA	NA	NA	NA	29.00	23.13	NA
Gulf of Mexico +	18.87	35.07	32.61	29.77	29.36	27.33	15.27	17.55
Illinois	35.78	36.03	31.69	29.12	28.76	26.90	14.70	17.53
Indiana	35.91	36.07	31.66	29.06	28.72	26.82	14.55	17.49
Kansas	34.20	35.80	30.79	28.45	27.99	25.33	14.02	17.37
Kentucky	34.98	35.90	31.19	28.60	28.24	26.20	14.20	17.19
Louisiana	19.87	35.45	32.44	30.02	29.67	27.22	15.32	17.97
Michigan	33.54	35.74	31.80	28.93	28.54	26.16	14.61	17.63
Mississippi	20.85	30.47	29.04	26.76	27.26	25.51	13.63	16.78
Montana	20.53	34.69	31.25	28.80	28.07	25.29	13.58	16.57
Nebraska	30.60	35.32	30.98	28.58	27.83	25.42	13.70	17.07
New Mexico	24.06	35.04	31.82	29.26	28.69	26.84	14.93	17.58
New York	NA	NA	30.91	28.19	27.70	25.19	16.03	17.40
North Dakota	26.42	35.63	31.89	29.27	28.39	25.32	13.54	16.74
Ohio	36.64	36.11	30.90	28.14	27.71	25.11	15.51	17.42
Oklahoma	29.25	35.43	32.04	29.67	29.11	26.28	14.47	17.62
Pennsylvania	37.46	36.03	30.77	28.28	27.71	25.05	15.77	17.43
South Dakota	28.81	35.55	31.63	29.10	28.36	25.79	13.81	16.96
Tennessee	34.29	33.00	32.10	32.00	26.00	26.00	15.00	NA
Texas	21.84	35.06	31.77	29.35	28.87	26.80	14.73	17.54
Utah	19.79	34.14	30.50	28.12	27.21	23.98	13.33	17.25
West Virginia	36.92	35.63	29.98	27.27	26.90	24.35	14.68	16.56
Wyoming	21.34	32.30	29.37	27.19	26.73	24.67	12.94	16.44
Total U.S.	**21.59**	**31.77**	**28.52**	**26.19**	**25.88**	**24.09**	**12.51**	**15.41**

* Alaska North Slope crude oil price
+ Federal Offshore

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, American Petroleum Institute, Energy Information Administration

Weighted Average Crude Oil Prices
Dollars per barrel

	Total OPEC*	Total Non-OPEC*	Total World+	U.S. Imports@
January 1981	34.36	37.23	35.45	36.28
February	34.91	38.62	35.60	36.71
March	34.93	38.57	35.61	36.58
April	34.91	38.54	35.60	36.58
May	34.83	37.39	35.32	36.49
June	34.55	35.46	34.74	36.03
July	34.34	34.59	34.39	35.52
August	34.08	34.72	34.20	35.01
September	33.98	34.72	34.13	34.56
October	33.84	34.39	33.97	33.84
November	34.12	34.91	34.30	34.37
December	34.24	34.79	34.37	34.45
1981 Average	**34.42**	**36.16**	**34.81**	**35.54**
January 1982	34.13	34.35	34.18	34.15
February	34.09	33.99	34.06	34.04
March	33.99	32.09	33.51	33.26
April	33.77	31.89	33.31	33.04
May	33.70	31.82	33.25	32.98
June	33.47	32.08	33.09	32.99
July	33.57	31.93	33.13	32.99
August	33.56	31.93	33.11	32.99
September	33.56	31.93	33.11	32.99
October	33.56	31.91	33.11	32.99
November	33.55	31.86	33.06	32.64
December	33.54	31.77	33.01	32.51
1982 Average	**33.71**	**32.30**	**33.33**	**33.13**
January 1983	33.54	31.72	33.00	32.51
February	33.44	31.39	32.82	32.32
March	32.91	30.19	32.10	30.86
April	29.09	28.21	28.76	28.43
May	28.82	28.20	28.59	28.32
June	28.84	28.24	28.62	28.16
July	28.88	28.44	28.72	27.58
August	28.72	28.63	28.69	27.81
September	28.65	28.64	28.65	27.92
October	28.61	28.28	28.66	28.33
November	28.59	28.83	28.67	28.45
December	28.59	28.73	28.64	28.45
1983 Average	**29.89**	**29.13**	**29.66**	**29.10**
January 1984	28.59	28.65	28.61	28.44
February	28.59	28.65	28.61	28.44
March	28.59	28.69	28.62	28.36
April	28.59	28.71	28.62	28.31
May	28.59	28.77	28.65	28.43
June	28.59	28.77	28.65	28.43
July	28.59	28.77	28.65	28.43
August	28.62	28.64	28.62	28.41
September	28.74	28.71	28.73	28.38
October	28.66	28.46	28.59	28.16
November	28.58	28.18	28.43	28.03
December	28.58	28.18	28.43	28.03
1984 Average	**28.61**	**28.60**	**28.60**	**28.32**
January 1985	28.51	28.16	28.38	27.96
February	28.21	27.99	28.13	27.63
March	27.99	27.89	27.96	27.44
April	27.99	27.39	27.77	27.20
May	27.98	27.16	27.67	27.10
June	27.97	26.36	27.37	26.82
July	27.95	25.94	27.21	26.56
August	27.92	25.99	27.11	26.54
September	27.92	26.42	27.29	26.40
October	27.88	26.77	27.42	26.37
November	27.83	27.26	27.60	26.43
December	27.81	26.40	27.23	25.88
1985 Average	**28.00**	**26.98**	**27.60**	**26.86**
January 1986	27.71	24.27	26.36	24.77
February	27.23	20.20	24.44	21.64
March	15.11	14.41	14.85	13.44
April	12.80	12.41	12.62	12.08
May	13.40	12.71	13.15	12.55
June	12.03	11.82	11.95	11.24
July	10.13	9.79	10.00	9.64
August	12.28	11.50	11.99	11.49
September	13.92	12.99	13.58	12.58
October	13.39	13.00	13.25	12.80
November	13.62	13.47	13.56	13.04
December	13.78	14.14	13.93	13.12
1986 Average	**15.45**	**14.23**	**14.97**	**14.03**

Weighted Average Crude Oil Prices
Dollars per barrel

	Total OPEC*	Total Non-OPEC*	Total World+	U.S. Imports@
January 1987	17.17	17.11	17.14	16.43
February	17.34	16.97	17.19	16.76
March	17.36	17.32	17.35	16.94
April	17.37	17.53	17.44	17.09
May	17.38	17.96	17.63	17.42
June	17.40	18.06	17.66	17.60
July	17.46	18.66	17.90	18.17
August	17.48	18.40	17.80	18.14
September	17.39	17.66	17.48	17.51
October	17.38	17.81	17.52	17.44
November	17.33	17.17	17.28	17.12
December	16.68	16.13	16.48	16.23
1987 Average	**17.31**	**17.57**	**17.41**	**17.24**

* Average price (FOB) weighted by estimated export volumes.
+ Average price (FOB) weighted by estimated export volumes. Excludes U.S. crude oil since it is not exported.
@ Average price (FOB) weighted by estimated import volumes.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Landed Cost of U.S. Crude Oil Imports
By Country
Dollars per barrel

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Algeria	14.91	21.90	37.90	40.49	35.28	31.26	29.08	27.46	14.82	17.90
Canada	14.50	20.43	30.47	32.16	26.92	25.63	26.59	25.71	13.43	17.04
Indonesia	14.64	20.69	33.92	37.57	36.75	31.57	30.64	28.67	14.63	18.49
Mexico	13.54	20.86	31.80	33.78	28.64	25.78	26.87	25.63	12.17	16.70
Nigeria	14.86	22.96	37.05	39.70	36.17	30.84	30.50	28.96	15.29	19.32
Saudi Arabia	13.92	19.15	30.02	34.19	35.00	29.76	29.50	24.72	12.84	17.64
United Kingdom	NA	22.16	35.88	37.24	34.28	30.87	29.60	28.35	14.63	18.78
Venezuela	12.83	18.18	25.86	29.87	24.82	22.94	25.15	24.43	11.52	15.77
Average Other Countries	14.58	23.18	36.02	38.54	34.03	29.68	29.20	27.33	14.25	18.31
Average All Arab Countries	14.36	20.79	32.97	36.22	35.15	30.03	29.12	25.88	13.14	17.61
Average OPEC	14.34	21.29	33.56	36.60	34.81	29.87	28.93	26.85	13.46	17.75
Average All U.S. Imports	**14.38**	**21.65**	**33.95**	**36.52**	**33.18**	**28.93**	**28.46**	**26.66**	**13.49**	**17.71**

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Posted Prices of Selected Crude Oils
Yearend
Dollars per barrel

	Algeria Saharan 44 deg.	Ecuador Oriente 29.7 deg.	Indonesia Minas 34 deg.	Iran Light 34 deg.	Libya Es Sider 37 deg.	Nigeria Bonny 37 deg.	Saudi Arabia Light 34 deg.	Venezuela Tia Juana 26 deg.	Mexico Maya* 22 deg.	United Kingdom Brent Blend* 38 deg.
1955	NA	NA	NA	1.86	NA	NA	1.93	NA	NA	NA
1956	NA	NA	NA	1.99	NA	NA	1.93	NA	NA	NA
1957	NA	NA	NA	1.99	NA	NA	2.08	NA	NA	NA
1958	NA	NA	NA	1.81	NA	NA	2.08	NA	NA	NA
1959	NA	NA	NA	1.81	NA	NA	1.90	NA	NA	NA
1960	NA	NA	NA	1.81	NA	NA	1.80	NA	NA	NA
1961	NA	NA	NA	1.81	2.23	NA	1.80	NA	NA	NA
1962	NA	NA	NA	1.81	2.23	NA	1.80	NA	NA	NA
1963	2.35	NA	NA	1.81	2.23	NA	1.80	NA	NA	NA
1964	2.35	NA	NA	1.81	2.23	NA	1.80	NA	NA	NA
1965	2.35	NA	NA	1.79	2.23	NA	1.80	NA	NA	NA
1966	2.35	NA	NA	1.79	2.23	NA	1.80	NA	NA	NA
1967	2.35	NA	NA	1.79	2.23	2.17	1.80	NA	NA	NA
1968	2.35	NA	NA	1.79	2.23	2.17	1.80	NA	NA	NA
1969	2.65	NA	NA	1.79	2.23	2.17	1.80	NA	NA	NA
1970	2.65	NA	1.70	1.79	2.53	2.42	1.80	2.01	NA	NA
1971	3.55	NA	2.26	2.27	3.39	3.17	2.29	2.90	NA	NA
1972	3.66	2.50	2.96	2.47	3.62	3.56	2.59	3.06	NA	NA
1973	9.10	10.00	10.80	11.87	9.06	14.69	11.65	11.79	NA	NA
1974	12.30	13.70	12.60	11.47	14.60	11.66	11.25	12.33	NA	NA
1975	12.75	11.45	12.80	12.50	12.21	12.70	12.67	13.43	NA	NA
1976	13.05	13.00	13.55	12.50	13.74	14.31	13.00	11.65	NA	NA
1977	14.45	12.65	13.55	12.81	13.80	14.31	13.66	12.82	NA	NA
1978	14.10	12.37	13.90	12.81	14.52	14.80	14.34	13.36	15.45	15.70
1979	30.00	32.09	27.50	28.50	34.50	29.97	27.95	25.20	28.00	26.02
1980	37.00	40.07	35.00	37.00	40.78	40.00	32.00	32.88	34.50	39.25
1981	37.50	33.05	35.00	34.20	36.50	36.50	34.00	32.88	26.50	36.60
1982	35.50	29.60	34.53	31.20	35.50	35.50	34.00	32.88	25.50	33.50
1983	30.50	26.90	29.53	28.00	30.15	30.00	29.00	27.88	25.00	30.00
1984	30.50	17.50	29.53	28.00	30.15	28.00	29.00	27.88	25.50	28.65
1985	29.50	26.15	28.53	28.05	30.15	28.65	28.00	27.10	21.93	26.00
1986	17.30	15.86	17.56	17.50	18.52	18.92	17.52	16.72	14.00	18.25
1987	18.87	15.46	17.56	17.50	18.52	18.92	17.52	16.72	11.10	18.00

* Mexico and the United Kingdom do not post crude prices. Prices shown are estimates based on long-term contract prices and spot market quotations.

Data from Oil & Gas Journal Energy Database.
Source: OPEC Secretariat, Energy Information Administration

Arabian Light Crude Oil Price
Average Government Selling Price
Dollars per barrel

	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
1st Quarter	2.41	10.95	10.46	11.51	12.09	12.70	13.34	26.00	32.00	34.00
2nd Quarter	2.61	10.98	10.46	11.51	12.09	12.70	15.70	28.00	32.00	34.00
3rd Quarter	2.82	11.05	10.46	11.51	12.70	12.70	18.00	29.33	32.00	34.00
4th Quarter	4.41	10.59	11.51	11.51	12.70	12.70	22.00	31.33	34.00	34.00
Annual Average	**3.06**	**10.89**	**10.72**	**11.51**	**12.40**	**12.70**	**17.28**	**28.67**	**32.50**	**34.00**

	1983	1984	1985	1986	1987
1st Quarter	31.00	29.00	28.34	28.00	18.00
2nd Quarter	29.00	29.00	28.00	28.00	18.00
3rd Quarter	29.00	29.00	28.00	28.00	18.00
4th Quarter	29.00	29.00	28.00	28.00	18.00
Annual Average	**29.50**	**29.00**	**28.09**	**28.00**	**18.00**

Arabian Light Crude Oil Price
Average Spot Market Price
Dollars per barrel

	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
1st Quarter	2.10	9.90	10.45	11.50	12.20	12.70	19.65	36.10	37.65	31.00
2nd Quarter	2.30	10.50	10.40	11.50	12.10	12.70	27.95	35.40	33.85	32.30
3rd Quarter	2.60	10.00	10.45	11.60	12.70	12.80	33.60	32.85	31.95	32.00
4th Quarter	4.50	10.45	11.50	11.90	12.70	13.80	38.35	38.40	33.75	31.75
Annual Average	**2.88**	**10.21**	**10.70**	**11.63**	**12.43**	**13.00**	**29.89**	**35.69**	**34.30**	**31.76**

	1983	1984	1985	1986	1987
1st Quarter	29.30	28.55	27.80	17.55	17.16
2nd Quarter	28.65	28.35	27.11	11.38	17.41
3rd Quarter	28.90	27.65	27.62	11.32	17.68
4th Quarter	28.35	27.77	27.75	14.31	16.54
Annual Average	**28.80**	**28.08**	**27.57**	**13.64**	**17.20**

Data from Oil & Gas Journal Energy Database.
Source: Shell Briefing Service, Energy Information Administration, OPEC Bulletin

Average U.S. Wellhead Price of Natural Gas
Cents per thousand cubic feet

1947	6.0	1971	18.2
1948	6.5	1972	18.6
1949	6.3	1973	21.6
1950	6.5	1974	30.4
1951	7.3	1975	44.5
1952	7.8	1976	58.0
1953	9.2	1977	79.0
1954	10.1	1978	90.5
1955	10.4	1979	117.8
1956	10.8	1980	159.0
1957	11.3	1981	198.0
1958	11.9	1982	246.0
1959	12.9	1983	259.0
1960	14.0	1984	266.0
1961	15.1	1985	251.0
1962	15.5	1986	194.0
1963	15.8	1987	171.0
1964	15.4		
1965	15.6		
1966	15.7		
1967	16.0		
1968	16.4		
1969	16.7		
1970	17.1		

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

U.S. Average Price of Natural Gas at the Wellhead
Dollars per thousand cubic feet

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1974	0.24	0.25	0.26	0.26	0.26	0.26	0.26	0.26	0.27	0.27	0.28	0.32	**0.27**
1975	0.30	0.29	0.33	0.33	0.35	0.35	0.37	0.35	0.36	0.36	0.36	0.36	**0.34**
1976	0.39	0.39	0.39	0.41	0.42	0.44	0.44	0.56	0.69	0.58	0.53	0.54	**0.48**
1977	0.59	0.63	0.70	0.65	0.69	0.69	0.72	0.71	0.72	0.74	0.75	0.74	**0.69**
1978	0.74	0.76	0.79	0.81	0.81	0.83	0.84	0.84	0.88	0.91	0.90	0.96	**0.84**
1979	1.02	1.05	1.09	1.11	1.15	1.17	1.20	1.24	1.23	1.28	1.29	1.31	**1.18**
1980	1.37	1.42	1.46	1.51	1.56	1.57	1.64	1.64	1.69	1.71	1.76	1.74	**1.59**
1981	1.77	1.81	1.86	1.93	1.95	1.95	2.01	2.02	2.08	2.11	2.15	2.16	**1.98**
1982	2.21	2.23	2.31	2.35	2.41	2.44	2.45	2.51	2.54	2.56	2.59	2.60	**2.43**
1983	2.66	2.66	2.58	2.53	2.53	2.59	2.52	2.58	2.67	2.58	2.60	2.61	**2.59**
1984	2.67	2.71	2.67	2.64	2.67	2.70	2.68	2.69	2.62	2.63	2.61	2.57	**2.66**
1985	2.64	2.71	2.62	2.64	2.53	2.58	2.51	2.47	2.42	2.37	2.36	2.28	**2.51**
1986	2.28	2.26	2.16	2.10	1.96	1.85	1.80	1.77	1.78	1.73	1.77	1.76	**1.94**
1987	1.77	1.76	1.74	1.74	1.69	1.64	1.68	1.67	1.65	1.68	1.73	1.75	**1.71**

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Spot Prices for Natural Gas
Selected Pipelines
Dollars per million BTU

	Columbia Gas	El Paso Pipeline	Houston Pipeline	Panhandle Eastern	Transcontinental Gas Pipeline	Texas Eastern	Texas Gas Transmission
January 1985	NA	NA	NA	NA	NA	NA	NA
February	NA	NA	NA	NA	NA	NA	NA
March	2.95	2.65	2.80	2.70	2.90	2.80	2.85
April	2.85	2.65	2.65	2.65	2.70	2.65	2.75
May	2.75	2.65	2.50	2.60	2.65	2.50	2.75
June	2.70	2.60	2.50	2.55	2.50	2.50	2.70
July	2.55	2.40	2.45	2.40	2.45	2.45	2.55
August	2.40	2.35	2.30	2.30	2.25	2.35	2.40
September	2.30	2.30	2.20	2.20	2.20	2.25	2.35
October	2.20	2.20	2.15	2.10	2.15	2.15	2.25
November	2.15	2.10	2.05	2.00	2.10	2.05	2.15
December	2.25	2.10	2.05	2.00	2.10	2.05	2.15
1985 Average	**2.51**	**2.40**	**2.37**	**2.35**	**2.40**	**2.38**	**2.49**
January 1986	2.25	2.10	2.05	2.00	2.10	2.05	2.15
February	2.20	2.00	1.95	1.90	2.05	2.00	2.15
March	2.15	1.80	1.80	1.85	2.00	1.95	2.10
April	1.95	1.55	1.55	1.65	1.80	1.80	1.90
May	1.70	1.35	1.40	1.50	1.60	1.60	1.70
June	1.50	1.35	1.40	1.35	1.50	1.50	1.50
July	1.55	1.45	1.40	1.40	1.50	1.50	1.55
August	1.55	1.45	1.45	1.40	1.45	1.50	1.55
September	1.50	1.40	1.40	1.35	1.45	1.45	1.50
October	1.45	1.35	1.35	1.35	1.40	1.40	1.45
November	1.50	1.40	1.35	1.45	1.45	1.45	1.50
December	1.50	1.40	1.35	1.45	1.45	1.45	1.50
1986 Average	**1.73**	**1.55**	**1.54**	**1.55**	**1.65**	**1.64**	**1.71**
January 1987	1.60	1.45	1.40	1.45	1.50	1.50	1.60
February	1.60	1.55	1.50	1.50	1.55	1.55	1.65
March	1.60	1.55	1.50	1.50	1.50	1.55	1.60
April	1.55	1.55	1.45	1.45	1.45	1.50	1.55
May	1.50	1.50	1.45	1.40	1.45	1.45	1.50
June	1.45	1.45	1.40	1.35	1.45	1.45	1.45
July	1.40	1.40	1.40	1.25	1.45	1.40	1.40
August	1.35	1.35	1.35	1.20	1.40	1.40	1.40
September	1.35	1.35	1.35	1.20	1.40	1.40	1.40
October	1.40	1.35	1.35	1.30	1.45	1.45	1.40
November	1.50	1.45	1.45	1.40	1.55	1.55	1.50
December	1.75	1.75	1.70	1.65	1.80	1.80	1.75
1987 Average	**1.50**	**1.48**	**1.44**	**1.39**	**1.50**	**1.50**	**1.52**

Data from Oil & Gas Journal Energy Database.
Source: Natural Gas Clearinghouse

U.S. Natural Gas Wellhead Prices
Dollars per thousand cubic feet

	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974
Alabama	0.07	0.10	0.12	0.11	0.13	0.13	0.13	0.13	0.13	0.14	0.15	0.35	0.38	0.74
Alaska	0.20	0.21	0.25	0.27	0.25	0.25	0.25	0.25	0.25	0.25	0.24	0.15	0.15	0.17
Arizona	NA	0.12	0.12	0.12	0.12	0.14	0.15	0.16	0.18	0.17	0.18	0.18	0.18	0.20
Arkansas	0.12	0.15	0.16	0.16	0.16	0.15	0.15	0.16	0.16	0.16	0.17	0.17	0.18	0.26
California	0.27	0.29	0.29	0.30	0.31	0.31	0.30	0.31	0.31	0.32	0.33	0.37	0.37	0.44
Colorado	0.12	0.12	0.12	0.12	0.13	0.13	0.13	0.14	0.15	0.15	0.16	0.17	0.18	0.20
Florida	0.16	0.21	0.20	0.13	0.13	0.14	0.15	0.15	0.16	NA	0.30	0.32	0.34	0.54
Illinois	0.13	0.14	0.13	0.12	0.12	0.12	0.12	0.13	0.14	0.16	0.18	0.28	0.35	0.40
Indiana	0.19	0.21	0.23	0.24	0.24	0.24	0.23	0.23	0.24	0.24	0.25	0.16	0.14	0.14
Kansas	0.12	0.12	0.13	0.13	0.13	0.14	0.13	0.14	0.14	0.14	0.14	0.14	0.16	0.17
Kentucky	0.24	0.25	0.24	0.24	0.24	0.24	0.24	0.25	0.25	0.25	0.25	0.25	0.35	0.50
Louisiana	0.17	0.20	0.20	0.19	0.18	0.18	0.19	0.19	0.19	0.19	0.20	0.20	0.22	0.31
Maryland	0.27	0.27	0.27	0.27	0.25	0.26	0.26	0.26	0.25	0.25	0.24	0.21	0.23	0.24
Michigan	0.21	0.21	0.27	0.25	0.25	0.25	0.25	0.25	0.26	0.27	0.26	0.31	0.39	0.50
Mississippi	0.19	0.19	0.18	0.17	0.17	0.17	0.17	0.17	0.18	0.18	0.21	0.22	0.23	0.30
Missouri	0.25	0.25	0.27	0.24	0.25	NA	0.25	0.29	0.14	0.25	0.25	0.25	0.25	0.31
Montana	0.07	0.07	0.08	0.08	0.08	0.08	0.08	0.09	0.10	0.10	0.12	0.12	0.24	0.25
Nebraska	0.18	0.18	0.19	0.15	0.15	0.16	0.17	0.18	0.17	0.17	0.18	0.18	0.18	0.34
New Mexico	0.11	0.12	0.12	0.12	0.12	0.13	0.13	0.13	0.14	0.14	0.15	0.19	0.24	0.31
New York	0.31	0.28	0.30	0.31	0.31	0.31	0.31	0.32	0.30	0.30	0.30	0.33	0.35	0.55
North Dakota	0.18	0.14	0.19	0.22	0.16	0.16	0.16	0.17	0.16	0.16	0.17	0.17	0.20	0.20
Ohio	0.21	0.26	0.24	0.24	0.24	0.24	0.24	0.25	0.26	0.27	0.34	0.39	0.43	0.48
Oklahoma	0.12	0.13	0.13	0.13	0.14	0.14	0.14	0.14	0.15	0.16	0.16	0.16	0.19	0.28
Oregon	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pennsylvania	0.32	0.27	0.26	0.27	0.27	0.28	0.28	0.28	0.28	0.28	0.28	0.30	0.42	0.44
South Dakota	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tennessee	0.18	0.19	0.19	0.19	0.19	NA	0.19	0.19	0.20	0.20	0.22	0.30	0.33	0.36
Texas	0.11	0.12	0.13	0.12	0.13	0.13	0.13	0.14	0.14	0.14	0.16	0.16	0.20	0.31
Utah	0.18	0.17	0.18	0.14	0.13	0.13	0.13	0.16	0.15	0.15	0.17	0.17	0.19	0.41
Virginia	0.27	0.21	0.23	0.30	0.30	0.30	0.30	0.30	0.30	0.31	0.31	0.32	0.33	0.51
West Virginia	0.26	0.28	0.27	0.25	0.24	0.24	0.24	0.26	0.27	0.25	0.26	0.30	0.31	0.33
Wyoming	0.12	0.15	0.14	0.13	0.14	0.15	0.15	0.15	0.15	0.15	0.15	0.16	0.18	0.25
Total U.S.	**0.15**	**0.16**	**0.16**	**0.15**	**0.16**	**0.16**	**0.16**	**0.16**	**0.17**	**0.17**	**0.18**	**0.19**	**0.22**	**0.30**

U.S. Natural Gas Wellhead Prices
Dollars per thousand cubic feet

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Alabama	0.87	0.99	1.47	1.50	2.04	3.19	4.77	3.44	4.28	3.73	3.71	2.89
Alaska	0.30	0.39	0.40	0.52	0.52	0.73	0.62	0.63	0.73	0.73	0.74	0.50
Arizona	0.28	0.28	0.34	0.37	0.41	NA	NA	2.59	3.08	2.90	2.80	2.10
Arkansas	0.35	0.53	0.59	0.75	0.96	0.70	1.81	2.13	2.29	2.54	2.55	2.51
California	0.70	0.94	1.17	1.36	1.71	3.13	2.57	3.09	3.57	3.80	3.36	2.89
Colorado	0.26	0.48	0.81	0.84	1.41	1.47	1.97	3.17	3.38	3.43	2.90	2.05
Florida	0.97	0.98	1.09	1.39	1.57	1.73	2.71	2.46	2.33	2.57	2.43	1.20
Illinois	0.70	0.99	1.20	1.29	1.86	1.90	2.47	2.62	2.84	2.78	2.77	2.57
Indiana	0.39	0.52	0.69	0.71	1.05	1.35	2.08	1.55	2.09	3.38	2.51	1.23
Kansas	0.17	0.42	0.49	0.57	0.76	0.77	0.92	1.51	1.57	1.49	1.27	1.21
Kentucky	0.54	0.55	0.55	0.58	0.95	0.89	1.01	1.52	1.51	1.70	2.39	1.88
Louisiana	0.42	0.46	0.70	0.84	1.12	1.61	2.07	2.60	2.67	2.73	2.66	2.21
Maryland	0.27	0.32	0.39	0.61	1.04	0.46	0.48	0.78	0.55	0.55	0.59	0.65
Michigan	0.63	0.90	1.01	1.20	1.74	2.36	2.86	3.19	3.58	3.76	3.60	3.60
Mississippi	0.50	0.71	0.73	1.15	1.60	2.32	3.21	3.91	3.78	3.47	3.17	2.13
Missouri	0.34	0.35	0.42	NA	NA	NA	NA	NA	NA	2.46	3.50	3.75
Montana	0.43	0.45	0.72	0.85	1.21	1.45	1.91	2.15	2.41	3.75	2.39	2.05
Nebraska	0.54	0.51	0.65	0.68	0.85	0.83	1.45	1.99	2.93	2.24	3.01	2.82
New Mexico	0.41	0.57	0.81	0.99	1.37	1.76	2.13	2.47	2.68	2.71	2.62	1.87
New York	0.74	1.13	1.16	1.19	1.27	1.95	2.67	3.75	3.85	4.00	3.37	3.39
North Dakota	0.23	0.34	0.35	0.46	1.28	1.19	1.94	2.30	2.27	2.26	1.90	1.35
Ohio	0.71	1.02	1.40	1.57	1.81	1.98	2.17	2.71	3.24	3.19	3.08	2.84
Oklahoma	0.32	0.50	0.79	0.90	1.12	1.51	1.88	2.74	2.83	2.72	2.47	1.71
Oregon	NA	NA	0.00	0.00	2.13	2.40	2.60	3.33	3.33	2.78	2.40	2.00
Pennsylvania	0.68	0.69	0.80	0.86	1.33	2.13	2.33	2.80	3.00	3.25	3.16	2.50
South Dakota	NA	NA	0.00	0.00	2.11	NA	2.75	3.08	3.37	3.67	2.51	2.46
Tennessee	0.43	0.71	0.74	1.64	1.70	1.76	2.55	3.00	2.50	3.50	2.48	1.78
Texas	0.52	0.72	0.90	1.00	1.23	1.57	1.87	2.17	2.36	2.45	2.33	1.65
Utah	0.48	0.51	0.61	0.64	0.72	1.12	1.10	3.06	3.40	4.08	3.52	2.90
Virginia	0.52	1.14	1.26	1.31	1.68	2.85	2.15	3.69	3.30	3.00	3.02	2.45
West Virginia	0.37	0.57	0.61	0.66	1.05	3.00	3.00	3.20	3.10	3.45	3.85	3.90
Wyoming	0.34	0.41	0.64	0.79	1.13	1.92	2.77	3.22	3.18	3.32	3.01	2.52
Total U.S.	**0.45**	**0.58**	**0.79**	**0.91**	**1.18**	**1.59**	**1.98**	**2.46**	**2.59**	**2.66**	**2.51**	**1.94**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, State Conservation Agencies, Energy Information Administration

Price of Imported Natural Gas
Dollars per Thousand Cubic Feet

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1981	4.33	4.51	4.61	4.88	4.82	4.83	4.86	4.89	4.88	5.00	5.01	4.97	**4.80**
1982	4.94	4.96	4.94	4.94	4.93	4.86	5.00	5.07	5.05	5.02	5.01	4.94	**4.97**
1983	5.03	5.09	5.01	4.58	4.40	4.41	4.31	3.93	4.02	4.03	4.26	4.33	**4.45**
1984	4.40	4.37	4.40	4.23	4.15	4.25	4.15	4.12	4.34	4.19	3.43	3.34	**4.11**
1985	3.21	3.08	3.29	3.39	3.32	3.40	3.41	3.28	3.28	3.16	2.88	2.79	**3.21**
1986	2.81	2.79	3.36	3.14	2.75	2.56	2.78	2.59	2.26	2.22	1.84	1.99	**2.59**
1987	1.90	2.21	2.30	2.25	2.22	2.26	2.73	2.17	2.17	1.98	1.94	2.00	**2.18**

Data from Oil & Gas Journal Energy-Database.
Source: Energy Information Administration

U.S. Average Natural Gas Price
by End Use Sector
Dollars per million cubic feet

	Lease & Plant Fuel	Pipeline Fuel	Residential Consumption	Commercial Consumption	Industrial Consumption	Electric Utilities Consumption	Average for all Consumption
1967	0.15	0.20	1.04	0.74	0.34	0.28	0.53
1968	0.16	0.20	1.04	0.73	0.34	0.22	0.51
1969	0.18	0.21	1.05	0.74	0.35	0.27	0.53
1970	0.18	0.21	1.09	0.77	0.37	0.29	0.55
1971	0.19	0.22	1.15	0.82	0.41	0.32	0.59
1972	0.20	0.23	1.21	0.88	0.45	0.34	0.63
1973	0.21	0.25	1.29	0.94	0.50	0.38	0.68
1974	0.51	0.30	1.46	1.07	0.67	0.51	0.84
1975	0.47	0.40	1.71	1.35	0.96	0.77	1.12
1976	0.57	0.51	1.98	1.64	1.24	0.98	1.37
1977	0.71	0.77	2.35	2.04	1.50	1.32	1.66
1978	0.79	0.90	2.56	2.23	1.70	1.48	1.85
1979	1.06	1.32	2.98	2.73	1.99	1.81	2.21
1980	1.43	1.85	3.68	3.39	2.56	2.27	2.80
1981	1.93	2.39	4.29	4.00	3.14	2.89	3.39
1982	2.23	2.97	5.17	4.82	3.87	3.48	4.15
1983	2.54	3.15	6.06	5.59	4.18	3.58	4.64
1984	2.71	3.04	6.12	5.55	4.22	3.70	4.67
1985	2.37	2.92	6.12	5.50	3.95	3.55	4.53
1986	2.02	2.52	5.83	5.08	3.23	2.43	4.13
1987	NA	NA	5.56	4.76	2.71	2.32	3.68

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Price of Natural Gas for Residential Use
Dollars per thousand cubic feet

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Australia	3.67	3.82	4.12	4.56	4.53	4.63	4.98	4.17	4.22	NA
Austria	NA	11.70	13.04	13.20	13.62	12.93	12.30	12.05	15.07	NA
Belgium	5.59	6.09	7.64	8.28	8.43	8.08	7.82	7.90	8.70	8.40
Canada	2.50	2.39	2.68	3.34	3.81	4.46	4.31	4.16	3.87	3.84
Denmark	NA	NA	NA	NA	NA	NA	8.61	8.87	11.72	15.75
Finland	2.28	2.44	4.60	5.35	4.67	4.39	4.04	3.78	3.13	2.73
France	6.87	7.62	9.85	9.63	9.69	9.13	8.46	8.89	10.83	NA
Germany, West	5.91	6.57	7.98	7.72	8.46	7.95	7.16	7.14	8.89	NA
Ireland	NA	NA	NA	18.57	16.37	11.81	9.72	10.18	13.17	13.42
Italy	4.02	5.02	5.00	4.95	6.88	8.20	7.48	7.62	8.28	NA
Japan	11.64	11.36	14.68	16.42	14.58	15.21	15.17	15.03	19.80	NA
Netherlands	3.92	4.24	5.40	5.56	6.08	6.04	5.73	5.82	7.79	6.77
New Zealand	4.54	5.00	5.54	5.45	4.92	4.39	3.14	2.75	3.41	4.69
Spain	5.35	8.12	12.12	11.45	10.23	9.53	9.27	9.85	12.87	NA
Switzerland	18.82	20.24	21.10	20.60	19.93	19.27	17.22	16.46	22.50	27.14
United Kingdom	3.43	3.93	5.23	5.55	5.89	5.47	4.96	4.95	5.57	NA
United States	2.56	2.98	3.68	4.29	5.17	5.99	6.10	6.10	5.83	5.56

Data from Oil & Gas Journal Energy Database.
Source: International Energy Agency

U.S. Average Unleaded Motor Gasoline Price
Excluding Tax
Cents per gallon

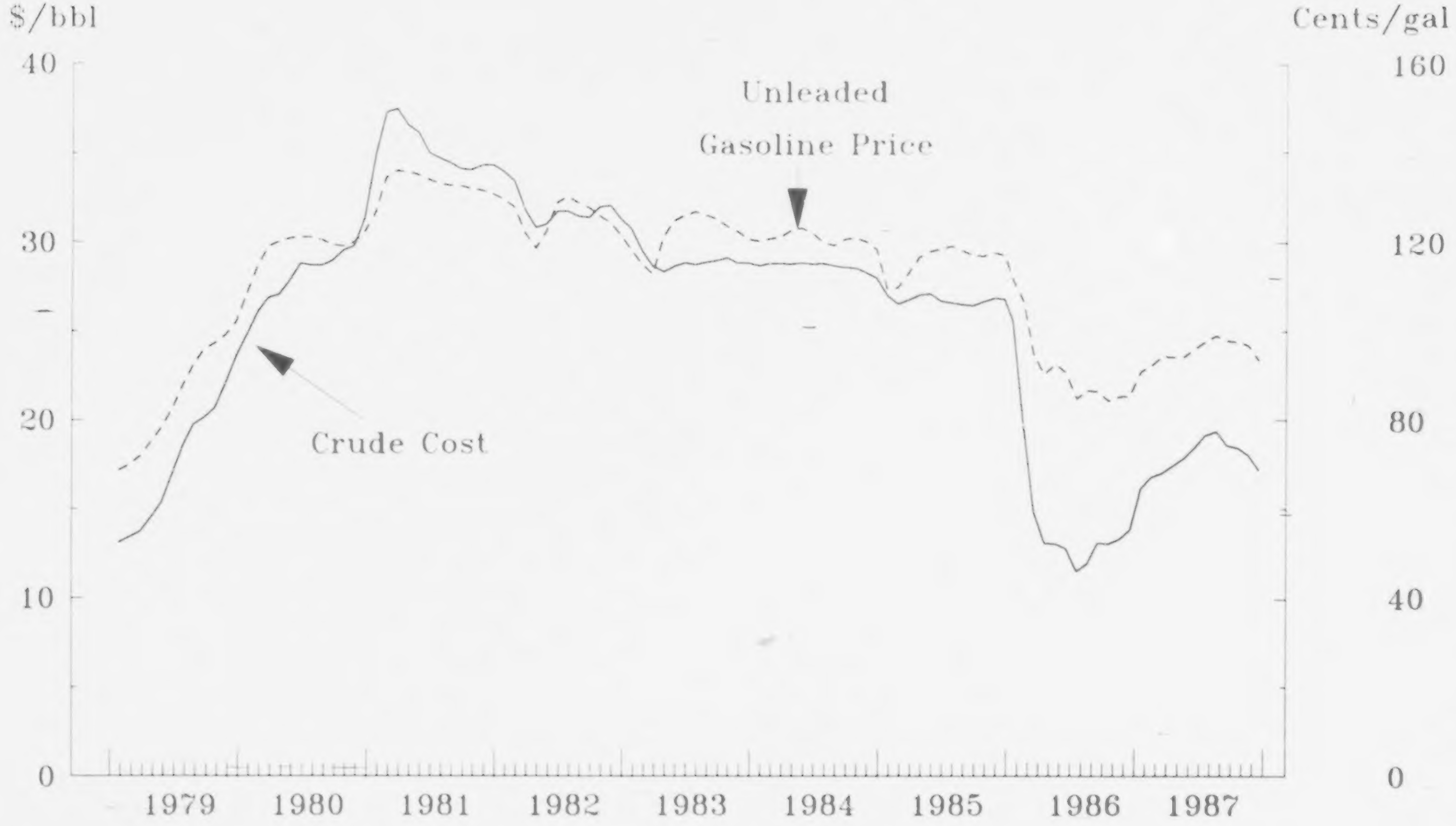
	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1977	48.7	49.3	50.6	51.5	52.1	52.6	52.5	52.3	51.9	51.6	51.6	51.2	**51.3**
1978	51.0	50.6	50.8	51.4	52.7	53.5	54.4	54.9	55.6	55.4	56.4	57.0	**53.6**
1979	57.6	58.8	60.7	63.8	66.9	71.4	76.7	81.3	84.5	86.0	87.8	90.7	**73.8**
1980	97.0	103.2	107.9	108.9	109.6	109.9	109.9	109.2	108.1	107.8	108.5	110.2	**107.5**
1981	114.5	122.2	123.9	123.5	122.8	121.7	120.8	120.4	120.1	118.8	118.2	117.6	**120.4**
1982	116.2	114.6	108.8	105.4	109.1	114.9	116.1	114.7	113.5	111.9	110.1	107.5	**111.9**
1983	103.9	100.8	98.6	101.6	105.0	106.1	106.7	105.7	104.8	103.2	102.0	100.3	**103.2**
1984	99.9	100.3	100.7	102.2	102.5	101.3	99.3	98.5	99.8	100.1	99.3	97.2	**100.1**
1985	88.3	88.6	91.9	95.8	97.1	97.6	97.5	96.5	95.1	94.8	95.7	95.1	**94.5**
1986	89.5	84.8	72.8	68.3	70.7	68.5	62.7	64.4	64.4	62.2	62.9	63.3	**69.6**
1987	68.2	69.5	71.4	71.4	71.3	72.6	74.3	75.7	74.2	74.0	73.2	69.8	**72.1**

U.S. Average Unleaded Motor Gasoline Price
Pump Price
Cents per gallon

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1977	60.0	60.8	61.9	62.7	63.4	63.9	63.8	63.6	63.2	63.0	63.0	62.6	**62.7**
1978	62.3	62.0	62.2	62.8	64.0	64.9	65.8	66.3	67.0	66.8	67.8	68.4	**65.0**
1979	69.0	70.2	72.1	75.2	78.4	82.9	88.2	92.8	96.2	97.6	99.3	102.2	**85.3**
1980	108.5	114.7	119.4	120.5	121.1	121.4	121.4	120.8	119.7	119.3	120.2	122.6	**119.1**
1981	127.0	134.8	136.5	136.0	135.4	134.3	133.4	133.0	132.8	132.2	131.8	131.1	**133.2**
1982	129.8	128.3	122.4	118.9	122.6	129.0	130.5	129.1	127.9	126.3	124.5	121.8	**125.9**
1983	118.3	115.2	113.1	121.3	125.0	126.2	127.1	126.3	125.4	123.8	122.7	120.9	**122.1**
1984	120.5	121.0	121.4	123.0	123.4	122.3	120.3	119.5	120.9	121.2	120.4	118.6	**121.0**
1985	109.7	110.2	113.6	117.5	118.9	119.5	119.3	118.4	117.2	116.9	117.8	117.3	**116.4**
1986	111.7	106.9	94.7	90.2	92.7	90.6	84.9	86.6	86.5	84.3	85.2	85.5	**91.7**
1987	90.9	92.3	94.3	94.3	94.3	95.9	97.7	99.0	97.9	97.7	96.9	93.5	**95.4**

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Refiner's Acquisition Cost of Crude Oil and Motor Gasoline Price



Source: EIA, OGJ

U.S. Average Gasoline Prices by Grade

Cents per gallon

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1980													
Leaded Regular	108.6	115.9	120.2	121.2	121.5	121.7	121.6	121.0	119.7	118.8	118.8	119.7	**119.1**
Unleaded Regular	113.1	120.7	125.2	126.4	126.6	126.9	127.1	126.7	125.7	125.0	125.0	125.8	**124.5**
Unleaded Premium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**NA**
Average All Grades	**111.0**	**118.6**	**123.0**	**124.2**	**124.4**	**124.6**	**124.7**	**124.3**	**123.1**	**122.3**	**122.2**	**123.1**	**122.1**
1981													
Leaded Regular	123.8	132.1	135.2	134.4	133.3	132.4	131.5	131.0	130.5	129.9	129.7	129.3	**131.1**
Unleaded Regular	129.8	138.2	141.7	141.2	140.0	139.1	138.2	137.6	137.6	137.1	136.9	136.5	**137.8**
Unleaded Premium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**NA**
Average All Grades*	**126.9**	**135.6**	**138.8**	**138.1**	**137.0**	**136.2**	**135.3**	**134.8**	**135.8**	**135.3**	**135.1**	**134.8**	**135.3**
1982													
Leaded Regular	128.5	126.0	120.6	114.8	116.6	124.2	126.3	125.4	123.6	121.9	120.7	118.1	**122.2**
Unleaded Regular	135.8	133.4	128.4	122.5	123.7	130.9	133.1	132.3	130.8	129.5	128.3	126.0	**129.6**
Unleaded Premium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**NA**
Average All Grades*	**134.1**	**131.8**	**126.8**	**121.0**	**122.4**	**129.6**	**131.8**	**131.0**	**129.5**	**128.0**	**126.8**	**124.4**	**128.1**
1983													
Leaded Regular	114.6	109.9	106.4	113.1	117.7	119.7	120.7	120.3	118.9	117.2	115.6	114.6	**115.7**
Unleaded Regular	122.8	118.7	115.1	121.5	125.9	127.7	128.8	128.5	127.4	125.5	124.1	123.1	**124.1**
Unleaded Premium	137.6	133.8	130.8	136.0	139.7	141.1	142.1	141.9	141.0	139.5	138.4	137.6	**138.3**
Average All Grades*	**121.3**	**117.0**	**113.5**	**119.8**	**124.3**	**126.1**	**127.2**	**126.9**	**125.7**	**123.9**	**122.4**	**121.5**	**122.5**
1984													
Leaded Regular	113.1	112.5	112.5	114.5	115.4	114.7	112.9	111.6	112.0	112.7	112.4	110.9	**112.9**
Unleaded Regular	121.6	120.9	121.0	122.7	123.6	122.9	121.2	119.6	120.3	120.9	120.7	119.3	**121.2**
Unleaded Premium	136.9	136.1	136.2	137.5	138.0	137.7	137.0	135.5	136.0	136.5	136.4	135.4	**136.6**
Average All Grades*	**120.0**	**119.3**	**119.4**	**121.1**	**122.1**	**121.4**	**119.7**	**118.4**	**118.9**	**119.5**	**119.3**	**117.9**	**119.8**
1985													
Leaded Regular	106.0	104.1	107.1	111.9	114.4	115.3	115.4	114.3	112.9	111.7	112.3	112.3	**111.5**
Unleaded Regular	114.8	113.1	115.9	120.5	123.1	124.1	124.2	122.9	121.6	120.4	120.7	120.8	**120.2**
Unleaded Premium	130.4	129.0	131.0	134.0	136.0	137.1	136.7	135.9	134.9	134.2	133.9	134.4	**134.0**
Average All Grades*	**114.5**	**112.8**	**115.5**	**119.9**	**122.3**	**123.3**	**123.3**	**122.2**	**120.9**	**119.8**	**120.1**	**120.3**	**119.6**
1986													
Leaded Regular	110.7	103.4	89.4	81.5	85.2	88.5	82.2	77.8	79.7	77.1	76.2	76.4	**85.7**
Unleaded Regular	119.4	112.0	98.1	88.8	92.3	95.5	89.0	84.3	86.0	83.1	82.1	82.3	**92.7**
Unleaded Premium	133.6	128.2	116.0	106.1	107.5	110.0	104.5	99.9	101.0	98.7	98.0	98.4	**108.5**
Average All Grades*	**119.0**	**119.9**	**98.3**	**89.5**	**92.7**	**95.8**	**89.5**	**84.8**	**86.4**	**83.7**	**82.7**	**83.0**	**93.8**
1987													
Leaded Regular	80.6	84.8	85.6	87.9	88.8	90.6	92.1	94.6	94.0	93.1	92.8	91.2	**89.7**
Unleaded Regular	86.2	90.5	91.2	93.4	94.1	95.8	97.1	99.5	99.0	97.6	97.6	96.1	**94.8**
Unleaded Premium	100.7	104.7	105.2	107.3	107.9	109.8	111.5	113.9	113.6	112.8	112.5	111.9	**109.3**
Average All Grades*	**86.8**	**91.1**	**91.8**	**94.0**	**94.8**	**96.6**	**98.0**	**100.4**	**100.0**	**98.8**	**98.7**	**97.5**	**95.7**

* Weighted average. Also includes gasoline types not listed separately.

Data from Oil & Gas Energy Database.
Source: Bureau of Labor Statistics

U.S. Average Wholesale Product Prices

Distillate
Cents per gallon

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1979	38.8	39.9	41.6	44.5	47.3	52.3	57.1	61.7	66.0	67.0	67.3	69.4	**54.5**
1980	73.5	76.4	76.7	77.0	77.6	78.3	78.6	78.7	78.5	79.3	80.8	83.2	**78.2**
1981	89.2	97.3	100.4	100.1	99.5	98.2	97.7	97.3	96.6	96.3	96.6	97.2	**97.2**
1982	96.6	92.1	87.7	85.5	89.2	93.4	93.4	91.7	91.2	95.4	97.1	90.1	**91.9**
1983	84.6	79.8	74.4	75.7	80.3	80.1	80.0	80.9	83.3	81.9	81.1	78.6	**80.1**
1984	82.4	85.3	79.4	79.8	81.3	81.0	78.1	77.0	78.1	79.3	77.9	75.8	**79.6**
1985	73.8	73.5	75.8	79.6	78.1	73.2	70.0	71.7	76.6	81.0	84.9	81.7	**76.7**
1986	70.6	53.2	48.2	45.6	43.6	37.7	33.0	41.1	41.3	40.0	41.4	43.2	**44.9**
1987	48.7	48.2	48.9	48.8	51.5	52.2	54.4	55.4	54.1	57.9	56.3	50.4	**52.2**

Kerosine
Cents per gallon

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1979	40.4	41.5	43.5	46.7	49.8	54.9	59.4	63.6	67.8	69.2	69.7	71.9	**56.5**
1980	75.9	78.6	79.1	79.1	79.6	80.6	80.8	80.6	80.4	81.3	82.6	84.6	**80.3**
1981	91.6	100.7	103.1	102.9	102.2	101.3	100.6	100.2	99.5	99.2	99.3	100.1	**100.0**
1982	100.9	97.7	93.0	90.8	94.7	98.7	98.7	97.4	96.5	100.5	102.3	95.2	**97.2**
1983	89.6	85.0	79.4	80.5	85.3	84.9	85.0	86.2	88.4	87.0	86.6	83.6	**85.1**
1984	87.6	90.5	84.5	84.8	86.3	86.2	83.3	82.1	83.2	84.4	83.1	81.1	**84.8**
1985	78.9	78.6	80.9	84.7	83.2	78.3	75.1	76.8	81.6	86.0	89.8	86.5	**81.7**
1986	75.7	58.6	53.1	50.7	48.4	42.8	38.0	46.2	46.3	45.0	46.3	48.1	**49.9**
1987	53.4	52.8	53.5	53.2	55.7	56.5	58.8	59.9	58.7	62.5	61.0	55.2	**56.8**

Residual Fuel
Cents per gallon

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1979	25.4	25.8	28.0	30.0	31.9	33.1	34.1	36.6	38.3	39.3	39.7	41.5	**33.6**
1980	43.0	43.4	41.8	39.0	37.9	37.9	40.9	44.1	45.1	47.0	52.6	60.6	**44.4**
1981	61.5	65.0	64.9	64.8	64.4	60.7	59.1	58.1	58.4	58.9	59.5	58.9	**61.2**
1982	58.0	56.9	55.7	55.5	57.0	58.1	58.3	56.4	58.3	59.0	62.0	58.5	**57.8**
1983	57.3	55.8	55.2	55.7	56.9	56.9	57.3	57.9	58.6	58.8	58.8	58.4	**57.3**
1984	58.7	59.4	58.7	59.5	59.7	60.1	59.3	58.2	58.8	59.0	59.1	59.2	**59.1**
1985	59.3	59.5	59.3	58.4	56.0	53.6	54.2	54.0	55.4	55.8	56.0	55.5	**56.4**
1986	53.2	44.3	40.0	36.2	32.9	30.8	28.5	28.5	33.2	34.3	35.2	37.9	**36.2**
1987	44.8	44.6	41.7	44.0	45.1	45.3	46.9	47.2	46.1	46.5	46.2	44.5	**45.2**

Data from Oil & Gas Journal Energy Database.
Source: Independent Petroleum Association of America

U.S. Average Retail Product Prices

#2 Heating Oil (Distillate)
Cents per gallon

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1983	92.0	87.1	80.6	80.2	82.5	82.0	82.3	83.3	85.2	84.7	84.5	92.1	**84.7**
1984	97.7	104.6	94.7	91.9	90.9	86.9	84.3	82.8	84.3	87.3	87.7	88.1	**90.1**
1985	87.0	86.1	86.0	85.8	82.2	77.8	72.4	74.4	81.1	85.2	91.3	92.3	**83.5**
1986	87.1	69.9	63.0	55.0	50.0	44.4	38.4	43.8	46.1	44.8	48.3	51.5	**53.5**
1987	58.2	58.8	55.1	54.9	54.7	54.5	56.5	57.8	56.3	60.7	63.2	62.9	**57.8**

#6 Residual Fuel Oil
Cents per gallon

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1979	33.6	35.0	38.0	39.5	40.9	42.8	47.4	48.4	49.8	51.4	54.4	58.2	**44.9**
1980	62.4	63.0	60.3	54.5	56.5	57.4	56.8	59.5	60.3	63.5	71.7	77.0	**61.9**
1981	80.1	85.8	86.0	82.6	81.2	73.9	72.8	72.7	72.2	72.2	71.8	73.6	**77.1**
1982	68.8	69.1	67.4	65.1	66.7	68.8	68.1	66.2	66.3	68.1	70.0	66.4	**67.6**
1983	64.2	62.0	60.9	61.0	63.2	64.7	65.9	67.7	69.0	68.7	67.4	67.2	**65.2**
1984	69.0	70.4	68.5	69.1	69.5	71.0	69.0	67.1	67.5	67.8	67.9	67.7	**68.7**
1985	68.4	68.7	67.2	64.1	59.5	55.6	56.4	55.8	58.6	58.3	56.8	58.2	**60.8**
1986	57.1	45.8	39.0	33.0	30.1	29.8	25.9	26.5	29.8	30.1	31.2	34.7	**34.4**
1987	41.5	41.1	39.4	41.9	43.3	44.7	46.2	45.0	41.6	41.9	42.1	37.7	**42.2**

Consumer Grade Propane
Cents per gallon

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1982	57.8	57.7	57.3	57.3	57.8	57.7	55.1	56.7	59.9	60.7	63.2	64.2	**58.8**
1983	72.7	71.7	68.1	68.6	72.2	67.3	66.4	68.9	74.9	69.6	72.8	76.4	**70.8**
1984	76.8	76.3	76.4	76.5	70.4	70.6	69.6	71.9	73.4	74.1	73.8	70.0	**73.3**
1985	78.8	76.1	74.6	75.7	70.5	66.8	62.9	62.9	63.8	69.7	72.2	75.2	**70.8**
1986	77.8	71.4	75.1	75.9	73.1	73.5	70.2	68.4	70.4	69.8	69.6	72.0	**72.3**
1987	72.8	74.8	73.2	63.3	71.5	68.0	64.8	67.8	67.3	66.1	71.7	72.4	**69.5**

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

U.S. Average Retail Product Prices

Kerosine
Cents per gallon

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1976	37.2	35.6	35.2	35.1	34.9	32.7	33.6	34.9	35.8	37.4	37.4	38.4	**35.7**
1977	39.2	39.1	39.3	40.8	39.6	39.5	37.8	38.8	39.3	41.0	42.6	42.6	**40.0**
1978	41.4	40.6	41.2	44.1	42.9	40.6	41.9	42.2	42.6	46.3	45.8	44.8	**42.9**
1979	46.8	48.8	50.4	52.8	54.1	58.6	61.4	64.6	71.7	73.3	73.8	74.7	**60.9**
1980	79.1	83.6	89.1	88.8	89.2	90.3	88.8	88.9	91.0	91.8	97.6	102.3	**90.0**
1981	106.6	118.3	119.1	117.8	113.7	111.1	110.3	113.4	113.9	112.6	112.2	111.9	**113.4**
1982	111.0	110.5	112.0	102.9	104.9	109.2	108.8	101.7	102.5	107.5	113.7	108.0	**107.7**
1983	104.0	101.4	97.2	93.4	93.8	90.0	89.0	90.8	92.7	98.9	100.0	96.6	**95.7**
1984	106.8	117.9	111.3	105.8	102.4	94.3	90.6	92.8	99.2	102.7	106.1	101.4	**102.6**
1985	106.0	103.7	103.1	101.0	94.1	88.2	86.0	89.9	96.0	100.4	106.7	111.5	**98.9**
1986	105.4	93.4	85.0	79.4	67.2	49.3	48.2	62.5	75.1	69.5	74.5	76.8	**73.9**
1987	82.8	80.4	82.0	78.2	66.8	59.8	60.4	60.1	76.6	78.8	82.7	87.9	**74.7**

Kerosine Type Jet Fuel
Cents per gallon

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1977	33.2	34.1	34.6	34.9	35.1	35.7	35.8	36.0	37.0	37.3	37.5	37.8	**35.8**
1978	38.5	38.2	38.4	38.5	38.6	38.9	38.9	39.3	39.3	39.3	39.4	39.5	**38.9**
1979	40.1	40.2	41.3	45.4	48.4	50.9	58.2	60.8	65.9	68.4	69.7	72.3	**55.1**
1980	77.0	83.0	86.3	87.4	87.6	88.6	89.7	90.7	88.8	88.7	91.0	91.6	**87.5**
1981	95.7	101.6	106.3	106.4	106.2	104.8	103.8	103.3	103.3	101.1	102.6	102.2	**103.1**
1982	101.0	100.4	99.0	96.2	94.9	94.7	94.7	94.8	94.5	95.2	95.8	95.0	**96.4**
1983	94.5	92.6	90.6	88.8	87.8	86.3	85.6	85.5	86.1	86.0	85.8	85.5	**87.9**
1984	85.8	86.5	85.6	85.1	85.2	84.5	84.1	83.4	83.1	83.2	82.4	82.2	**84.3**
1985	81.4	80.9	80.4	80.1	79.5	78.6	78.2	77.7	78.1	78.8	80.1	80.9	**79.6**
1986	80.5	77.9	69.0	57.3	51.9	48.2	43.4	41.0	41.4	41.6	42.4	42.9	**53.1**
1987	45.9	49.2	50.0	51.0	52.4	53.3	55.6	58.2	58.3	59.5	59.9	58.2	**54.3**

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Spot Market Product Prices
New York Harbor
Dollars per barrel

	Leaded Gasoline	Unleaded Gasoline	Gas Oil/ Heating Oil	Residual Fuel Oil
1980				
1st Qtr.	42.55	NA	31.42	23.83
2nd Qtr.	42.21	NA	32.68	21.13
3rd Qtr.	37.15	NA	31.96	24.25
4th Qtr.	40.20	NA	36.08	31.15
1981				
1st Qtr.	43.19	NA	41.82	35.78
2nd Qtr.	41.85	NA	38.81	29.49
3rd Qtr.	42.53	NA	39.22	28.22
4th Qtr.	41.41	NA	41.42	29.41
1982				
1st Qtr.	36.87	NA	37.00	28.03
2nd Qtr.	40.52	NA	38.32	28.48
3rd Qtr.	39.67	NA	38.67	27.90
4th Qtr.	37.23	NA	38.77	28.54
1983				
1st Qtr.	34.77	NA	32.40	25.52
2nd Qtr.	37.21	NA	33.97	27.21
3rd Qtr.	36.34	NA	34.73	28.86
4th Qtr.	33.11	NA	33.49	28.28
1984				
1st Qtr.	34.05	NA	36.25	29.99
2nd Qtr.	33.41	NA	34.66	29.45
3rd Qtr.	32.23	NA	32.51	28.43
4th Qtr.	30.18	NA	31.86	28.71

	Leaded Gasoline	Unleaded Gasoline	Gas Oil/ Heating Oil	Residual Fuel Oil
1985				
1st Qtr.	30.88	NA	32.39	28.63
2nd Qtr.	34.34	NA	31.01	23.93
3rd Qtr.	32.85	NA	30.91	23.74
4th Qtr.	32.70	NA	35.43	24.23
1986				
1st Qtr.	22.54	22.16	25.17	18.32
2nd Qtr.	20.73	20.21	17.88	12.96
3rd Qtr.	17.50	16.68	16.03	11.56
4th Qtr.	18.50	17.51	17.61	13.81
1987				
1st Qtr.	NA	20.70	20.82	17.62
2nd Qtr.	NA	22.34	21.37	18.51
3rd Qtr.	NA	22.47	22.28	18.59
4th Qtr.	NA	21.16	23.24	16.76

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Motor Gasoline and Residential Heating Oil Prices
Current and Constant Dollars
Cents per gallon, including tax

	Motor Gasoline* Current $	Residential Heating Oil+ Current $	Consumer Price Index 1982-84=100	Motor Gasoline* Constant $	Residential Heating Oil+ Constant $
1918	25.1	NA	15.1	166.8	NA
1919	25.5	NA	17.3	147.3	NA
1920	29.8	NA	20.0	148.9	NA
1921	26.3	NA	17.9	147.0	NA
1922	25.2	NA	16.8	150.3	NA
1923	22.0	NA	17.1	128.8	NA
1924	21.0	NA	17.1	122.5	NA
1925	22.2	NA	17.5	126.6	NA
1926	23.4	NA	17.7	132.1	NA
1927	21.1	NA	17.4	121.5	NA
1928	20.9	NA	17.1	122.3	NA
1929	21.4	NA	17.1	125.1	NA
1930	20.0	NA	16.7	119.5	NA
1931	17.0	NA	15.2	111.5	NA
1932	17.9	NA	13.7	131.3	NA
1933	17.8	NA	13.0	137.6	NA
1934	18.9	NA	13.4	140.8	NA
1935	18.8	NA	13.7	137.3	NA
1936	19.5	NA	13.9	140.4	NA
1937	20.0	NA	14.4	139.2	NA
1938	19.5	NA	14.1	138.5	NA
1939	18.8	NA	13.9	135.0	NA
1940	18.4	NA	14.0	131.3	NA
1941	19.2	NA	14.7	130.6	NA
1942	20.4	NA	16.3	125.4	NA
1943	20.5	NA	17.3	118.7	NA
1944	20.6	NA	17.6	117.0	NA
1945	20.5	NA	18.0	113.9	NA
1946	20.8	NA	19.5	106.3	NA
1947	23.1	NA	22.3	103.5	NA
1948	25.9	NA	24.1	107.5	NA
1949	26.8	NA	23.8	112.4	NA
1950	26.8	NA	24.1	111.2	NA
1951	27.2	NA	26.0	104.5	NA
1952	27.6	NA	26.5	103.8	NA
1953	28.7	NA	26.7	107.3	NA
1954	29.0	NA	26.9	108.0	NA

Motor Gasoline and Residential Heating Oil Prices
Current and Constant Dollars
Cents per gallon, including tax

	Motor Gasoline* Current $	Residential Heating Oil+ Current $	Consumer Price Index 1982-84=100	Motor Gasoline* Constant $	Residential Heating Oil+ Constant $
1955	29.1	NA	26.8	108.6	NA
1956	29.9	15.2	27.2	110.1	55.9
1957	31.0	16.0	28.1	110.0	56.8
1958	30.4	15.1	28.9	105.1	52.2
1959	30.5	15.3	29.1	104.6	52.5
1960	31.1	15.0	29.6	105.1	50.6
1961	30.8	15.6	29.9	102.8	52.1
1962	30.6	15.6	30.3	101.3	51.6
1963	30.4	16.0	30.6	99.4	52.3
1964	30.4	16.1	31.0	97.8	51.9
1965	31.2	16.0	31.6	98.7	50.7
1966	32.1	16.4	32.5	98.8	50.5
1967	33.2	16.9	33.4	99.3	50.6
1968	33.7	17.4	34.8	96.9	50.0
1969	34.8	17.8	36.7	95.0	48.6
1970	35.7	18.5	38.8	91.9	47.6
1971	36.4	19.6	40.5	89.9	48.4
1972	36.1	19.7	41.8	86.4	47.1
1973	38.8	22.8	44.4	87.4	51.3
1974	52.4	36.0	49.3	106.3	73.0
1975	57.2	37.7	53.8	106.3	70.0
1976	59.5	40.6	56.9	104.5	71.3
1977	63.1	46.0	60.6	104.1	75.9
1978	65.7	49.0	65.2	100.7	75.1
1979	87.8	70.4	72.6	120.9	97.0
1980	119.1	97.4	82.4	144.5	118.2
1981	131.1	119.4	90.9	144.2	131.3
1982	122.2	116.0	96.5	126.6	120.2
1983	115.7	107.8	99.6	116.1	108.2
1984	112.9	109.1	103.9	108.7	105.0
1985	111.5	105.3	107.6	103.6	97.9
1986	85.7	84.4	109.6	78.2	77.0
1987	89.7	80.1	113.6	79.0	70.5

* Leaded regular.

+ #2 fuel oil.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration, Oil & Gas Journal,
Texaco Inc., American Petroleum Institute

Motor Gasoline Price
U.S. cents per gallon

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Australia	79.87	105.61	131.35	154.45	149.15	149.15	157.47	138.93	131.73	144.23
Austria	182.46	213.12	254.00	249.46	250.60	233.18	215.77	217.66	236.21	277.85
Belgium	190.79	230.91	299.43	278.99	247.19	233.18	208.58	215.39	216.53	252.11
Canada	70.03	73.44	84.42	113.18	136.65	147.25	148.39	145.36	131.35	141.20
Denmark	189.27	243.40	304.73	282.02	269.52	250.97	218.80	219.18	300.56	367.19
Finland	183.22	208.58	292.99	291.86	272.93	250.60	239.24	233.18	236.21	277.09
France	213.50	255.90	302.84	269.14	254.76	236.59	223.34	237.35	257.79	305.11
Germany, West	174.89	205.55	242.65	237.73	217.28	203.66	186.24	185.49	187.76	215.77
Greece	211.23	255.52	300.94	267.25	247.19	215.39	185.49	183.22	210.85	220.69
Ireland	145.36	176.02	249.08	257.79	275.58	277.85	255.52	265.74	300.56	331.60
Italy	222.96	246.43	309.27	295.26	288.45	292.24	277.85	261.95	324.79	379.30
Japan	197.98	208.96	257.03	262.71	258.55	255.14	230.91	221.21	276.34	316.84
Luxembourg	NA	177.16	230.91	212.74	207.06	192.68	175.27	173.75	177.54	205.17
Netherlands	188.51	224.48	273.31	256.27	246.81	230.15	213.12	209.71	230.15	297.54
New Zealand	120.00	133.63	181.32	195.33	194.57	179.81	171.10	174.13	163.53	200.63
Norway	188.89	211.61	284.29	286.94	269.14	255.52	241.51	230.15	243.03	287.31
Portugal	224.10	255.52	328.95	315.33	286.94	269.90	244.92	242.65	288.07	310.03
Spain	182.84	221.45	285.04	274.82	244.54	226.75	218.80	207.06	221.83	238.86
Sweden	155.96	193.81	263.85	263.85	238.86	206.69	192.68	204.79	220.31	250.22
Switzerland	194.19	241.89	260.82	241.89	235.08	219.18	194.95	194.19	213.12	250.60
United Kingdom	121.13	177.16	249.08	256.27	241.51	224.86	204.41	209.33	205.93	235.08
United States	67.00	90.09	124.16	137.79	129.46	123.78	121.51	119.62	92.74	94.80

Data from Oil & Gas Journal Energy Database.
Source: International Energy Agency

Home Heating Oil Price
U.S. cents per gallon

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Australia	56.95	75.09	111.48	132.23	138.83	142.85	NA	NA	NA	NA
Austria	NA	NA	NA	150.91	144.23	129.04	128.68	127.18	129.52	128.02
Belgium	59.62	88.66	125.33	120.91	121.37	103.68	100.56	104.33	72.08	76.59
Canada	41.29	43.82	53.19	73.20	88.10	97.79	99.28	103.38	86.80	81.50
Denmark	68.37	110.89	160.02	158.35	157.17	141.65	128.75	128.98	168.00	221.98
Finland	53.78	71.52	115.33	122.53	111.75	106.21	101.48	99.93	79.60	85.67
France	71.14	92.80	138.39	139.53	136.48	129.09	118.45	126.63	109.96	122.00
Germany, West	57.93	103.33	128.84	119.13	122.73	106.20	101.41	102.03	74.62	105.01
Greece	NA	69.93	119.58	113.86	102.79	96.34	86.87	90.82	104.14	78.10
Ireland	59.75	81.69	123.00	122.20	123.99	120.46	105.55	117.00	99.81	122.67
Italy	65.41	83.59	134.45	121.73	131.29	136.05	130.93	133.02	134.92	171.94
Japan	63.46	85.72	128.12	153.43	143.01	154.49	122.53	119.36	132.79	119.41
Luxembourg	NA	83.41	118.57	116.09	109.08	101.79	95.41	95.85	76.38	79.46
Netherlands	66.38	92.29	134.43	140.08	133.45	114.51	111.06	110.02	91.57	115.86
New Zealand	66.13	74.49	123.85	142.26	155.25	149.51	137.18	136.07	123.69	151.13
Norway	67.33	82.02	131.04	146.19	142.95	133.74	121.87	116.69	91.38	103.58
Portugal	64.61	82.63	123.81	141.35	142.89	140.87	143.52	147.02	171.16	188.20
Spain	32.09	46.52	95.68	116.35	108.54	97.59	96.51	100.17	112.23	104.19
Sweden	52.03	74.87	120.89	124.11	128.26	112.74	114.24	117.49	94.86	110.05
Switzerland	56.52	111.05	115.03	110.33	109.22	96.86	90.66	90.98	72.81	73.32
United Kingdom	61.13	86.82	129.88	131.18	133.00	118.81	102.94	104.81	75.97	81.42
United States	50.09	64.26	99.17	118.05	120.25	105.63	109.68	107.77	82.51	80.10

Data from Oil & Gas Journal Energy Database.
Source: International Energy Agency

Price of Heavy Fuel Oil for Electric Generation
U.S. dollars per barrel

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Australia	14.07	17.46	30.41	37.39	36.88	36.62	NA	NA	NA	NA
Austria	14.54	16.97	25.23	25.68	26.89	26.15	23.13	24.30	NA	NA
Belgium	13.86	16.44	28.26	30.51	27.36	26.18	28.93	26.00	14.01	18.77
Canada	10.74	11.57	12.24	17.45	19.64	23.70	21.36	NA	NA	NA
Denmark	NA	16.28	24.97	29.15	28.73	22.41	27.05	26.15	NA	NA
Finland	14.96	18.96	31.10	34.20	31.76	28.70	28.54	31.60	20.65	19.78
France	13.81	17.05	27.21	30.07	28.59	27.59	NA	NA	NA	NA
Germany, West	15.91	22.35	30.27	33.41	29.30	27.73	29.50	27.71	15.80	19.76
Greece	10.44	11.89	20.88	24.88	23.63	23.15	23.05	NA	NA	NA
Ireland	NA	NA	NA	NA	NA	NA	NA	NA	14.59	18.74
Italy	13.13	18.10	27.76	31.37	27.77	27.05	28.64	26.44	15.67	NA
Japan	16.78	25.42	38.35	44.98	40.93	37.72	36.13	34.29	26.29	NA
Netherlands	13.96	20.04	29.49	33.37	29.60	28.08	30.75	27.62	NA	NA
Portugal	10.11	13.31	19.90	23.53	27.48	24.21	19.50	17.14	19.15	22.17
Spain	13.49	16.78	25.81	33.11	31.28	29.37	28.50	30.64	22.95	17.72
Sweden	14.10	23.38	30.50	33.34	28.14	27.58	28.68	25.06	14.60	18.31
United Kingdom	14.61	18.46	30.53	33.22	29.29	28.04	30.84	32.75	22.15	NA
United States	13.59	19.10	27.28	34.10	30.77	29.27	30.88	27.15	15.42	18.71

Data from Oil & Gas Journal Energy Database.
Source: International Energy Agency

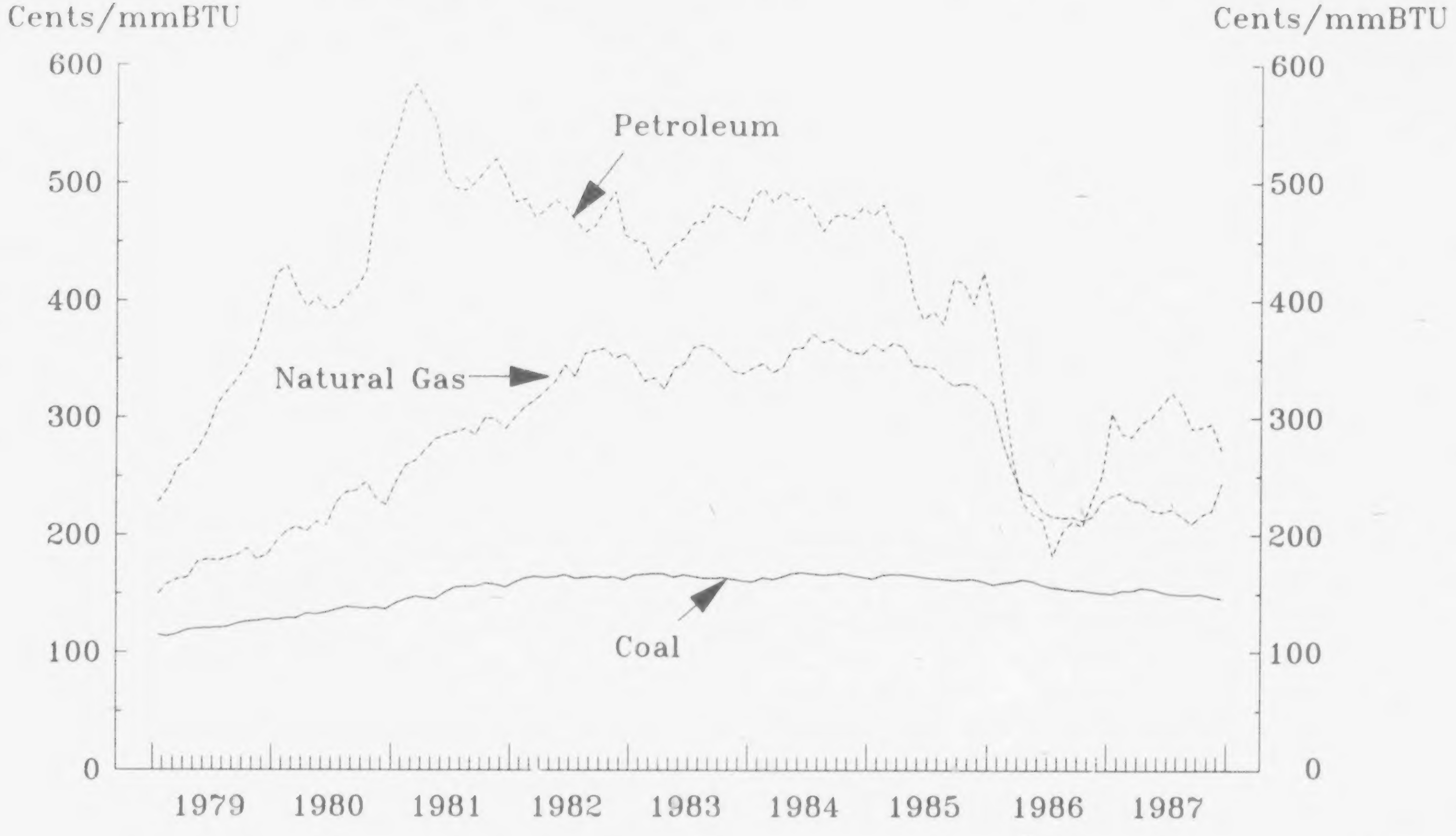
Total U.S. Fossil Fuel Prices
Cents per million BTU

	Crude Oil *	Natural Gas +	Anthracite Coal	Other Coal	Weighted Average
1949	43.8	5.4	36.4	19.5	**26.2**
1950	43.3	6.3	37.9	19.3	**25.6**
1951	43.6	6.3	40.7	19.6	**25.9**
1952	43.6	7.2	39.3	19.5	**26.1**
1953	46.2	8.1	40.7	19.5	**27.3**
1954	47.9	9.0	36.1	18.0	**27.7**
1955	47.8	8.9	33.1	17.8	**27.1**
1956	48.1	9.9	34.9	19.1	**27.8**
1957	53.3	9.9	38.3	20.1	**29.9**
1958	51.9	10.8	38.0	19.4	**29.2**
1959	50.0	11.7	35.9	19.1	**28.6**
1960	49.7	12.6	33.8	18.8	**28.3**
1961	49.8	13.5	34.6	18.4	**28.6**
1962	50.0	14.5	33.6	18.0	**28.5**
1963	49.8	14.5	36.6	17.6	**28.3**
1964	49.7	13.6	38.0	17.9	**27.7**
1965	49.3	14.5	36.3	17.9	**27.7**
1966	49.7	14.5	34.8	18.4	**28.0**
1967	50.3	14.5	36.0	18.8	**28.4**
1968	50.7	14.3	39.2	19.1	**28.5**
1969	53.3	15.4	44.0	20.5	**29.9**
1970	54.8	15.4	48.8	26.2	**31.7**
1971	58.4	16.3	53.2	30.1	**34.0**
1972	58.4	17.3	55.3	32.7	**35.0**
1973	67.1	20.1	61.7	36.5	**39.8**
1974	118.4	27.3	102.2	68.2	**67.6**
1975	132.2	41.1	149.5	83.9	**82.5**
1976	141.2	53.1	153.9	85.0	**90.2**
1977	147.8	72.3	153.8	87.7	**100.8**
1978	155.2	83.6	152.7	97.9	**111.6**
1979	217.9	108.1	177.2	105.3	**141.7**
1980	372.2	144.8	185.9	109.4	**204.2**
1981	547.8	179.5	190.1	117.9	**274.5**
1982	491.7	222.2	214.0	122.1	**275.8**
1983	451.6	232.3	230.0	117.2	**270.1**
1984	446.2	239.9	208.7	115.9	**264.6**
1985	415.3	225.7	204.2	114.8	**251.2**
1986	215.7	174.8	191.1	108.2	**165.3**
1987	265.7	154.1	186.3	104.8	**171.4**

* Includes lease condensate.
+ Wet natural gas

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Cost of Fossil Fuels Delivered to Electric Plants



Source: EIA

U.S. Average Cost of Fossil Fuels
Delivered to Electric Plants
Cents per million BTU

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1979													
Coal	115.8	114.6	116.8	120.1	121.1	121.8	122.2	122.5	125.3	127.4	127.7	129.2	**122.0**
Petroleum	228.1	240.6	258.8	264.6	274.1	289.3	311.8	323.5	333.5	346.1	363.1	394.8	**302.4**
Natural Gas	150.2	159.1	163.0	164.7	177.5	179.5	178.9	180.9	183.5	189.1	180.3	183.3	**174.2**
Average Cost	**150.4**	**154.3**	**152.3**	**151.4**	**158.0**	**161.2**	**168.7**	**167.1**	**167.9**	**167.3**	**171.5**	**183.8**	**162.8**
1980													
Coal	128.7	129.9	130.1	133.8	133.3	135.1	137.4	139.5	138.9	138.1	139.3	137.8	**135.2**
Petroleum	423.5	429.7	411.0	394.9	403.1	392.7	394.5	404.9	411.3	425.2	496.0	521.9	**425.7**
Natural Gas	194.8	203.9	207.9	204.0	212.0	209.3	228.5	237.2	238.7	245.7	231.3	226.3	**220.0**
Average Cost	**187.3**	**189.8**	**184.8**	**178.2**	**180.3**	**178.8**	**199.0**	**196.2**	**193.5**	**192.2**	**200.0**	**206.6**	**190.6**
1981													
Coal	142.7	146.3	148.3	146.9	146.7	152.7	156.5	157.0	157.2	160.2	159.1	156.7	**152.5**
Petroleum	540.2	572.9	583.9	568.3	552.8	506.1	496.3	494.4	501.0	511.9	521.0	505.0	**529.5**
Natural Gas	245.9	260.5	264.0	273.5	282.7	286.3	288.6	291.1	286.5	300.7	300.0	291.4	**280.9**
Average Cost	**219.2**	**218.2**	**215.0**	**241.9**	**250.6**	**234.6**	**227.5**	**220.2**	**212.3**	**217.7**	**215.1**	**215.5**	**224.0**
1982													
Coal	160.9	164.1	165.7	164.6	165.1	167.0	164.5	164.7	165.9	164.9	165.3	162.9	**164.6**
Petroleum	484.6	487.6	470.9	478.0	485.7	479.6	468.8	458.8	464.4	479.3	493.4	456.3	**475.6**
Natural Gas	301.0	310.4	315.8	323.4	331.6	345.8	335.9	355.7	358.5	360.4	351.5	355.4	**337.1**
Average Cost	**226.4**	**220.7**	**219.8**	**214.3**	**215.7**	**224.7**	**237.6**	**227.6**	**226.9**	**220.1**	**218.2**	**216.8**	**222.4**
1983													
Coal	166.7	167.7	168.1	168.1	165.1	167.3	165.5	164.4	164.1	164.7	163.3	162.2	**165.6**
Petroleum	451.6	449.2	427.5	439.5	449.0	454.2	466.9	468.2	482.2	479.6	473.4	468.7	**459.2**
Natural Gas	346.9	331.9	334.9	325.5	343.5	346.7	361.1	363.1	358.1	350.1	340.7	338.7	**345.1**
Average Cost	**216.0**	**212.6**	**215.1**	**216.2**	**216.6**	**220.8**	**237.4**	**230.6**	**226.8**	**219.9**	**212.5**	**219.0**	**220.3**
1984													
Coal	161.6	164.9	163.4	165.7	168.6	169.1	168.2	167.2	167.4	168.7	166.6	165.0	**166.4**
Petroleum	488.9	496.3	484.0	494.1	486.9	488.3	474.6	459.6	472.5	474.1	470.6	480.4	**480.9**
Natural Gas	343.7	347.5	339.8	344.4	360.4	360.9	373.1	365.6	368.0	361.4	357.2	355.4	**356.5**
Average Cost	**221.0**	**217.4**	**208.4**	**210.6**	**220.3**	**223.2**	**231.3**	**223.5**	**217.5**	**218.8**	**216.8**	**218.7**	**219.0**
1985													
Coal	164.1	167.0	167.1	167.6	166.8	165.0	164.2	164.0	163.2	163.5	163.6	161.0	**164.8**
Petroleum	472.0	482.4	458.8	452.1	403.1	384.9	392.8	380.5	419.0	415.8	397.2	424.3	**423.6**
Natural Gas	364.4	358.1	364.9	361.6	346.1	344.8	344.0	334.8	328.7	330.4	329.3	320.9	**344.0**
Average Cost	**218.7**	**218.1**	**209.5**	**210.6**	**206.3**	**208.1**	**217.4**	**211.1**	**204.9**	**204.3**	**204.5**	**202.9**	**209.7**
1986													
Coal	159.6	161.4	161.7	163.5	162.3	159.2	157.1	156.1	154.9	154.7	153.3	152.2	**158.0**
Petroleum	396.0	302.1	266.2	229.7	218.9	214.4	184.1	203.6	213.0	208.6	230.5	252.7	**243.3**
Natural Gas	313.6	281.2	256.2	238.4	235.2	221.5	216.1	218.5	216.2	213.6	217.5	230.1	**238.2**
Average Cost	**195.7**	**185.6**	**179.9**	**177.7**	**177.7**	**174.1**	**171.1**	**170.7**	**168.5**	**165.8**	**166.1**	**170.3**	**175.3**
1987													
Coal	150.4	152.7	152.6	155.2	154.3	151.6	150.1	149.3	149.5	149.7	147.4	145.9	**150.7**
Petroleum	304.1	286.5	283.6	295.6	300.4	310.6	321.7	310.8	291.1	291.7	294.5	271.9	**296.9**
Natural Gas	233.6	236.3	229.3	228.6	220.9	219.6	221.9	216.5	209.7	217.4	220.7	244.4	**224.9**
Average Cost	**173.3**	**172.0**	**170.0**	**174.1**	**172.6**	**172.3**	**177.3**	**172.6**	**168.0**	**165.6**	**166.2**	**166.9**	**170.7**

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

U.S. Price of Electricity
Cents per kilowatt hour

	Residential Sector	Commercial Sector	Industrial Sector	Other Sectors	All Sectors
1960	2.62	2.42	1.06	1.91	**1.82**
1961	2.60	2.43	1.08	1.83	**1.82**
1962	2.56	2.38	1.05	1.86	**1.80**
1963	2.51	2.34	1.04	1.83	**1.77**
1964	2.45	2.22	1.01	1.83	**1.73**
1965	2.39	2.18	1.00	1.82	**1.70**
1966	2.34	2.13	0.98	1.80	**1.66**
1967	2.31	2.11	0.98	1.76	**1.65**
1968	2.25	2.07	0.97	1.76	**1.63**
1969	2.21	2.06	0.98	1.74	**1.63**
1970	2.22	2.08	1.02	1.80	**1.67**
1971	2.32	2.20	1.10	1.91	**1.77**
1972	2.42	2.29	1.16	1.98	**1.86**
1973	2.54	2.41	1.25	2.10	**1.96**
1974	3.10	3.04	1.69	2.75	**2.49**
1975	3.51	3.45	2.07	3.08	**2.92**
1976	3.73	3.69	2.21	3.27	**3.09**
1977	4.05	4.09	2.50	3.51	**3.42**
1978	4.31	4.36	2.79	3.62	**3.69**
1979	4.64	4.68	3.05	3.96	**3.99**
1980	5.36	5.48	3.69	4.76	**4.73**
1981	6.20	6.29	4.29	5.28	**5.46**
1982	6.86	6.86	4.95	5.92	**6.13**
1983	7.18	7.01	4.97	6.36	**6.29**
1984	7.54	7.33	5.04	6.78	**6.52**
1985	7.79	7.47	5.16	6.96	**6.71**
1986	7.41	7.13	4.90	6.64	**6.42**
1987	7.41	7.00	4.72	6.64	**6.32**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Price of Electricity for Residential Use
U.S. cents per kilowatt hour

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Australia	3.90	4.10	4.50	5.20	5.80	5.90	6.00	5.20	5.20	NA
Austria	8.00	8.80	10.10	9.00	9.60	9.00	8.50	8.50	11.70	NA
Belgium	11.50	12.50	14.10	12.90	11.20	10.90	10.20	10.10	12.90	NA
Canada	2.50	2.60	2.90	3.10	3.30	3.70	3.70	3.60	3.50	NA
Denmark	NA	7.60	10.20	10.50	10.00	9.20	7.80	8.60	11.00	12.30
Finland	5.80	6.20	7.00	7.00	6.70	5.70	5.20	5.20	6.70	8.30
France	8.10	9.40	11.50	9.80	9.50	9.10	8.60	8.50	11.90	NA
Greece	6.30	6.80	7.50	8.90	8.50	7.20	6.40	6.10	7.70	NA
Germany, West	8.50	9.50	10.00	9.10	9.30	9.00	8.30	8.20	11.40	14.50
Ireland	5.90	6.90	10.10	9.90	10.20	9.50	8.80	8.90	11.40	NA
Italy	4.60	5.20	7.10	6.90	7.00	7.60	7.80	7.70	9.30	NA
Japan	9.30	9.20	11.70	13.20	11.80	12.50	12.60	12.60	17.00	NA
Luxembourg	7.40	8.40	9.00	7.70	7.10	7.30	6.70	7.10	9.30	NA
Netherlands	8.20	9.60	11.50	10.90	10.50	9.70	8.80	8.70	9.40	NA
Norway	NA	3.10	3.50	3.60	3.80	3.80	3.80	3.90	4.90	5.70
New Zealand	2.40	2.50	3.40	3.30	3.10	3.10	2.70	2.90	3.00	NA
Portugal	4.60	4.60	7.10	6.90	7.50	7.20	6.90	7.50	9.90	11.40
Spain	NA	6.50	8.00	8.90	9.70	8.20	8.30	8.60	11.10	NA
Switzerland	6.60	8.80	7.30	7.70	6.40	7.50	5.90	5.90	8.20	10.00
United Kingdom	5.30	6.30	8.90	9.30	8.90	7.60	6.90	6.70	7.80	NA
United States	4.30	4.60	5.40	6.20	6.90	7.20	7.60	7.80	7.80	7.70

Data from Oil & Gas Journal Energy Database.
Source: International Energy Agency

Notes

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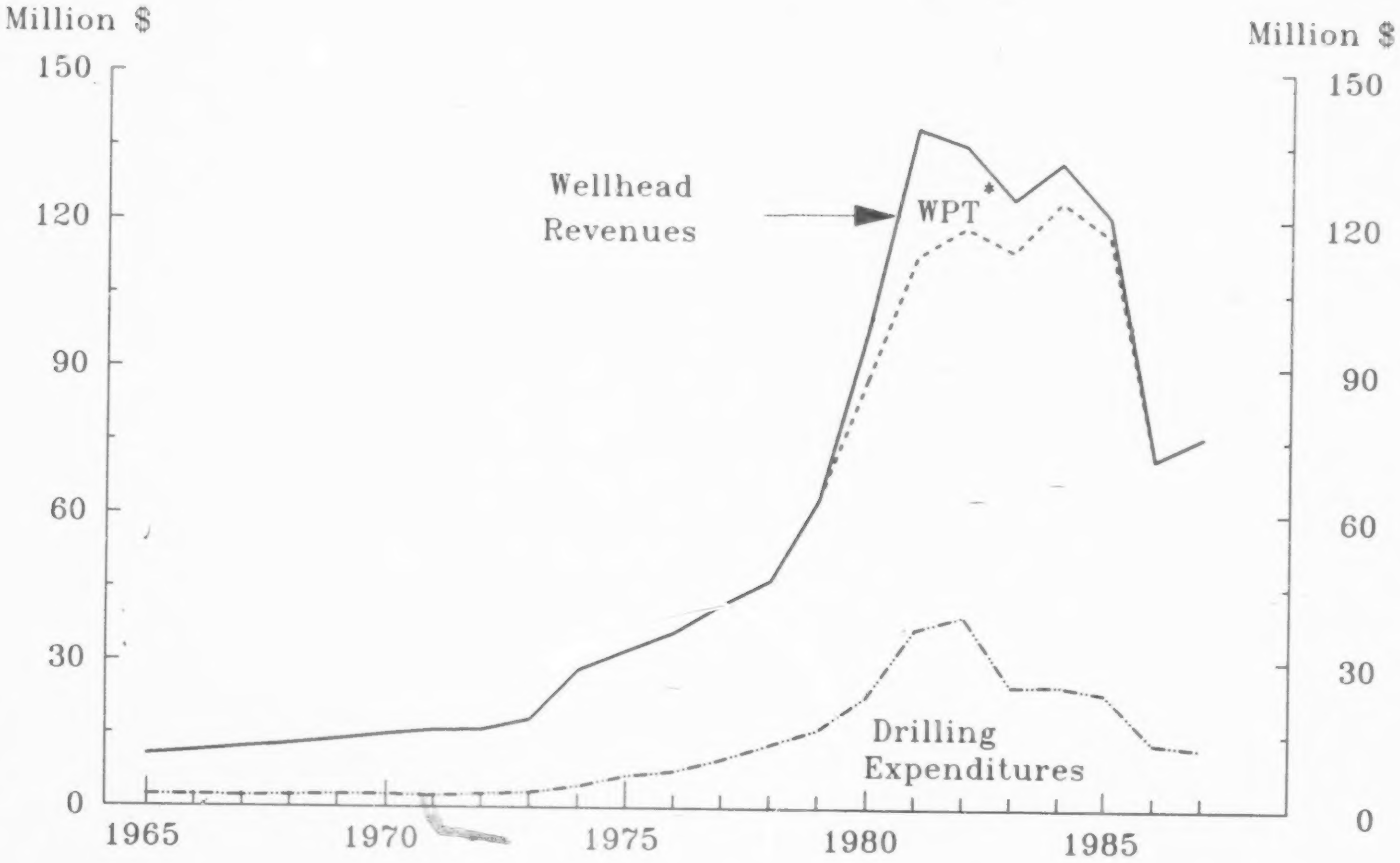
Wellhead Revenues Reinvested in Drilling



* Windfall Profit Tax

Source: API, JAS, OGJ

Total Wellhead Realizations and Reinvestment
Thousands of Dollars

	Total Wellhead Revenues	Net of Windfall Profit Tax	Total Drilling Expenditures	Investment Ratio %
1965	10,652,840	NA	2,407,437	22.6
1966	11,429,182	NA	2,360,740	20.7
1967	12,274,468	NA	2,299,178	18.7
1968	12,963,514	NA	2,409,360	18.6
1969	13,882,295	NA	2,610,671	18.8
1970	14,919,586	NA	2,578,682	17.3
1971	15,778,480	NA	2,371,492	15.0
1972	15,886,972	NA	2,814,166	17.7
1973	17,951,977	NA	3,074,532	17.1
1974	28,153,951	NA	4,366,989	15 5
1975	32,061,121	NA	6,571,214	20.5
1976	35,801,316	NA	7,461,680	20.8
1977	41,615,676	NA	9,956,453	23.9
1978	46,562,738	NA	13,061,090	28.1
1979	63,164,966	NA	16,078,930	25.5
1980	97,765,720	87,840,720	22,800,356	26.0
1981	138,947,637	113,003,637	36,665,457	32.4
1982	135,526,277	118,772,277	39,428,119	33.2
1983	124,592,334	113,924,334	25,104,543	22.0
1984	132,048,177	124,174,177	25,206,219	20.3
1985	121,100,304	117,100,304	23,696,602	20.2
1986	71,542,900	71,542,900	13,552,403	18.9
1987	76,073,000	76,073,000	12,400,150	16.3

Data from Oil & Gas Journal Energy Database.
Source: American Petroleum Institute, Joint Association Survey, Oil & Gas Journal

OGJ Capital Expenditures Survey
Total U.S.
Millions of dollars

	1972	1973	1974	1975	1976	1977	1978	1979	1980
Drilling/Exploration	3,160	3,453	4,904	7,379	8,379	14,172	15,079	21,926	31,789
Production	620	677	962	1,448	1,644	2,659	3,132	4,490	6,191
OCS Lease Bonus	2,259	3,082	5,024	1,088	2,243	1,569	1,767	4,590	4,205
Subtotal	**6,039**	**7,212**	**10,890**	**9,915**	**12,266**	**18,400**	**19,978**	**31,006**	**42,185**
Refining	947	1,104	2,446	1,981	1,819	1,324	1,551	2,735	3,159
Petrochemicals	301	269	810	1,122	1,987	1,746	2,675	2,355	2,805
Marketing	1,149	915	679	608	627	687	982	851	1,276
Crude & Products Pipelines	94	150	1,096	2,894	2,949	1,630	989	1,509	1,777
Natural Gas Pipelines	578	600	541	799	686	873	809	1,491	3,642
Other Transportation	175	153	163	275	314	438	468	583	804
Miscellaneous	570	647	1,278	1,030	1,175	1,593	1,738	3,700	5,022
Total Capital Expenditures	**9,853**	**11,050**	**17,903**	**18,624**	**21,823**	**26,691**	**29,190**	**44,230**	**60,670**

	1981	1982	1983	1984	1985	1986	1987	1988
Drilling/Exploration	43,193	44,251	28,193	28,290	26,596	13,552	12,420	14,364
Production	7,984	8,681	5,531	5,[illegible]90	5,217	3,066	2,705	2,818
OCS Lease Bonus	6,599	3,987	5,749	4,037	1,488	187	497	656
Subtotal	**57,776**	**56,919**	**39,473**	**37,917**	**33,301**	**16,805**	**15,622**	**17,838**
Refining	5,131	4,710	4,142	2,914	2,992	2,073	2,180	2,605
Petrochemicals	2,792	1,570	1,112	1,215	1,493	1,357	1,248	1,657
Marketing	1,619	1,337	1,614	2,221	2,611	1,634	1,768	1,931
Crude & Products Pipelines	2,052	1,320	2,456	1,689	1,137	435	733	400
Natural Gas Pipelines	4,947	6,070	4,707	3,971	2,084	1,309	1,556	1,659
Other Transportation	895	515	456	386	458	380	310	426
Miscellaneous	7,731	7,708	4,567	4,347	3,706	3,258	3,180	3,205
Total Capital Expenditures	**82,943**	**80,249**	**58,527**	**54,660**	**47,782**	**27,251**	**26,597**	**29,721**

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Value of U.S. Petroleum Imports
Current and Constant Dollars

	Total All Merchandise Imports	Petroleum and Products Imports	Petroleum Percent of Total Imports	Total All Merchandise Imports	Petroleum and Products Imports	Petroleum Percent of Total Imports
	---Billions	of Dollars----		-Billions of	1982 Dollars-	
1967	27.75	2.10	7.6	112.95	28.85	25.5
1968	33.95	2.38	7.0	135.75	33.23	24.5
1969	36.80	2.65	7.2	144.65	37.05	25.6
1970	40.85	2.95	7.2	150.85	40.08	26.6
1971	46.53	3.65	7.8	166.20	45.78	27.5
1972	56.85	4.65	8.2	190.73	55.95	29.3
1973	71.85	8.40	11.7	218.23	79.38	36.4
1974	104.53	26.60	25.4	211.78	76.48	36.1
1975	99.00	27.03	27.3	187.90	75.20	40.0
1976	124.30	3[illegible].58	27.8	229.35	90.68	39.5
1977	151.85	44.98	29.6	259.45	109.10	42.1
1978	176.48	42.30	24.0	274.08	102.45	37.4
1979	211.95	60.48	28.5	277.85	103.80	37.4
1980	247.45	79.28	32.0	253.60	82.78	32.6
1981	266.45	77.78	29.2	258.65	72.33	28.0
1982	249.48	61.25	24.6	249.48	61.28	24.6
1983	271.33	55.00	20.3	282.25	60.58	21.5
1984	334.25	57.35	17.2	351.12	63.70	18.1
1985	341.03	50.40	14.8	370.18	59.60	16.1
1986	367.53	33.75	9.2	420.17	74.28	17.7
1987	411.25	42.55	10.3	444.55	77.40	17.4

Source: Bureau of Commerce

Severance and Production Taxes Paid
By State
Thousands of Dollars

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Alabama	1,325	1,491	2,098	2,885	5,426	8,090	9,229	11,529	15,502	17,310
Alaska	8,958	11,412	12,341	10,893	22,095	27,694	25,896	52,946	107,721	251,636
Arkansas	2,690	3,033	3,100	3,196	4,321	6,287	6,689	9,206	9,573	11,261
California	1,246	1,231	1,554	1,407	4,778	4,963	5,326	6,841	8,338	9,103
Colorado	1,019	524	524	795	4,000	18,000	5,747	6,033	6,376	7,089
Florida	248	571	2,250	10,240	20,543	20,214	26,371	26,438	42,768	49,306
Indiana	322	239	221	203	453	495	509	723	686	1,159
Kansas	605	664	687	711	704	700	39,870	50,178	55,625	61,525
Kentucky	546	574	521	477	759	349	418	408	395	404
Louisiana	243,799	249,247	236,485	259,455	380,767	539,572	507,140	485,339	466,346	458,009
Maryland	NA	NA	3	4	6	6	5	3	4	6
Michigan	959	915	929	1,076	4,502	6,104	11,886	9,829	12,416	15,454
Mississippi	13,199	13,484	13,143	13,666	22,719	20,914	23,233	24,501	27,756	34,974
Montana	3,231	2,933	2,668	2,692	4,256	6,583	7,009	7,412	7,731	10,550
Nebraska	868	641	543	518	936	983	1,113	1,241	1,318	2,018
Nevada	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
New Mexico	12,696	12,932	13,536	15,695	74,103	74,694	103,860	132,517	151,820	185,349
North Dakota	3,198	3,166	3,306	3,140	4,358	6,880	8,617	9,604	11,100	15,094
Ohio	NA	NA	176	1,042	1,063	1,068	1,063	1,146	1,246	1,431
Oklahoma	50,539	51,280	73,342	71,457	97,760	128,113	153,043	193,614	233,100	283,791
Oregon	NA	NA	NA	NA	NA	NA	0	0	0	0
South Dakota	NA	NA	NA	NA	NA	68	58	68	71	456
Tennessee	NA	NA	NA	20	9	25	25	28	32	116
Texas	268,978	303,633	307,368	334,797	520,474	664,333	795,903	902,801	955,051	1,026,169
Utah	1,264	1,297	1,432	1,530	5,448	5,428	6,528	6,441	6,643	6,978
West Virginia	4,282	4,487	3,986	NA	4,026	3,840	5,068	7,951	9,722	12,002
Wyoming	4,268	4,877	5,075	16,130	35,110	38,336	37,959	41,457	48,179	53,392
Total U.S.	**624,240**	**668,631**	**685,288**	**752,029**	**1,218,616**	**1,583,739**	**1,782,565**	**1,988,254**	**2,179,519**	**2,514,582**

Severance and Production Taxes Paid
By State
Thousands of Dollars

	1980	1981	1982	1983	1984	1985	1986
Alabama	30,019	55,757	58,036	7[illegible],486	114,302	84,215	64,863
Alaska	830,520	1,170,090	1,581,116	1,493,700	1,393,100	1,358,344	1,355,800
Arkansas	17,858	27,047	24,602	22,812	21,329	20,438	10,312
California	9,025	10,249	11,840	14,196	17,018	15,146	14,022
Colorado	9,535	18,010	35,867	23,251	20,598	18,480	18,378
Florida	57,317	95,240	79,387	50,835	28,837	21,629	17,436
Indiana	1,756	1,835	1,764	1,578	1,546	1,398	686
Kansas	95,921	104,913	118,304	182,119	243,011	241,700	170,283
Kentucky	876	12,544	13,737	14,283	13,461	23,735	12,507
Louisiana	513,151	803,147	971,677	859,930	803,183	731,760	653,594
Maryland	4	3	2	1	3	1	1
Michigan	48,936	85,554	87,867	83,188	82,556	81,704	64,766
Mississippi	69,011	108,145	113,669	99,159	96,888	82,382	49,355
Montana	16,968	29,783	50,075	44,237	56,696	44,200	116,054
Nebraska	3,655	4,776	5,969	4,325	5,128	4,455	2,717
Nevada	NA	4	_3	25	98	152	134
New Mexico	287,152	369,331	348,437	347,548	381,537	365,0[illegible]9	234,000
North Dakota	53,593	91,210	126,138	166,700	160,436	136,200	81,775
Ohio	1,579	1,731	1,333	1,856	4,396	5,752	6,045
Oklahoma	437,306	601,846	744,629	778,169	709,917	709,364	571,965
Oregon	0	0	427	416	318	429	253
South Dakota	764	1,270	1,707	1,707	1,557	1,824	1,821
Tennessee	378	530	931	1,398	1,201	980	476
Texas	1,527,867	2,204,602	2,373,846	2,251,314	2,215,647	2,163,018	1,547,926
Utah	10,584	16,041	22,296	26,021	38,443	45,427	46,110
West Virginia	21,852	28,591	37,609	36,590	44,125	50,777	55,331
Wyoming	67,302	260,698	270,372	255,798	270,180	244,316	137,999
Total U.S.	**4,112,929**	**6,102,947**	**7,081,640**	**6,833,642**	**6,725,511**	**6,452,855**	**5,234,809**

Data from Oil & Gas Journal Energy Database.
Source: Independent Petroleum Association of America

Value of OPEC Petroleum Exports
By Country
Millions of Dollars

	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975
Algeria	493	508	532	589	631	681	614	1,028	1,522	4,267	4,295
Ecuador	2	1	1	1	1	1	1	59	282	693	516
Gabon	13	14	32	38	44	58	82	93	196	709	841
Indonesia	272	203	240	298	383	446	565	913	1,609	5,211	5,310
Iran	1,138	1,149	1,748	1,688	1,857	2,358	3,494	3,636	5,617	20,904	19,634
Iraq	660	698	610	755	769	788	1,083	1,027	1,842	6,534	8,227
Kuwait	753	808	803	860	910	1,596	2,143	2,370	3,520	10,394	8,424
Libya	796	1,002	1,169	1,857	2,159	2,357	2,699	2,888	3,919	8,175	6,677
Nigeria	191	260	204	104	367	715	1,342	1,796	2,905	8,619	7,569
Qatar	163	180	202	211	223	228	302	382	601	1,979	1,757
Saudi Arabia	1,073	1,298	1,384	2,020	2,107	2,418	3,803	5,477	8,956	35,476	29,473
United Arab Emirates	83	247	258	342	412	485	801	1,035	1,740	6,306	6,807
Venezuela	2,280	2,190	2,307	2,330	2,279	2,371	2,882	2,857	4,329	10,548	8,324
Total OPEC	**7,917**	**8,558**	**9,490**	**11,093**	**12,142**	**14,502**	**19,811**	**23,561**	**37,038**	**119,815**	**107,8[illegible]4**

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Algeria	4,791	5,562	5,856	8,746	12,647	12,985	10,770	9,467	9,189	9,170	3,760
Ecuador	565	500	604	1,161	1,563	1,709	1,509	1,733	1,835	1,927	983
Gabon	950	927	975	1,265	1,876	1,723	1,720	1,500	1,767	1,668	848
Indonesia	6,004	7,298	7,439	8,871	15,595	18,164	15,223	13,558	12,477	9,083	5,451
Iran	22,923	23,599	21,684	19,186	13,286	12,053	19,233	19,225	12,255	13,115	6,600
Iraq	9,201	9,560	10,913	21,382	26,296	10,422	10,104	9,900	11,992	11,380	6,980
Kuwait	8,953	8,778	9,422	16,770	17,678	13,790	8,827	9,948	10,889	9,729	6,200
Libya	9,399	11,220	9,681	15,693	21,396	14,531	13,250	11,905	10,739	10,520	4,700
Nigeria	9,943	11,046	8,986	16,303	25,277	17,582	12,835	10,231	11,712	12,338	6,300
Qatar	2,137	1,987	2,295	3,658	5,428	5,372	4,125	3,123	4,287	3,355	1,460
Saudi Arabia	38,157	43,308	40,332	62,855	108,174	118,998	78,119	44,832	36,263	25,936	21,190
United Arab Emirates	8,384	9,290	8,675	12,913	19,496	19,270	16,837	13,811	13,677	13,395	5,890
Venezuela	8,763	9,110	8,740	13,633	18,248	19,039	15,625	13,839	12,145	10,352	6,713
Total OPEC	**130,170**	**142,185**	**135,802**	**202,436**	**286,980**	**265,838**	**208,177**	**183,072**	**149,227**	**131,968**	**77,075**

Data from Oil & Gas Journal Energy Database.
Source: International Monetary Fund

Offshore

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Active Rigs Offshore
Total U.S.

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1970	102.3	101.8	100.8	92.9	86.0	86.4	83.8	85.2	84.6	87.8	92.0	88.3	**91.0**
1971	84.8	88.3	77.4	75.8	80.0	78.3	79.8	77.0	82.3	75.6	75.4	79.8	**79.5**
1972	83.8	86.1	90.3	90.1	80.8	82.7	75.6	78.5	87.3	85.0	83.0	89.8	**84.4**
1973	92.4	82.0	75.8	72.4	65.4	68.9	71.6	73.1	71.6	72.8	73.8	70.6	**74.2**
1974	89.0	91.3	95.8	101.0	93.8	90.0	92.8	90.5	88.8	89.3	95.8	99.0	**93.1**
1975	90.0	89.3	99.2	98.6	98.3	104.4	107.5	111.3	111.8	120.8	113.2	116.4	**105.1**
1976	122.0	124.8	131.2	124.3	93.0	119.1	131.4	128.2	126.3	128.4	137.2	145.0	**125.9**
1977	145.6	164.8	160.5	159.6	166.4	166.2	169.4	176.6	177.4	167.8	166.8	167.5	**165.7**
1978	172.4	181.3	180.0	182.2	182.6	184.2	185.4	196.6	193.6	189.8	187.0	187.5	**185.2**
1979	207.8	201.0	203.1	207.2	197.9	204.8	205.2	207.4	215.0	210.8	204.9	216.0	**206.8**
1980	218.8	216.2	219.4	222.1	229.0	235.4	234.8	234.9	230.6	231.5	247.3	250.6	**230.9**
1981	245.1	234.1	251.8	256.4	249.4	246.4	262.4	263.8	265.5	263.9	269.8	283.1	**257.6**
1982	279.9	269.1	262.4	251.3	251.4	248.2	242.2	234.6	227.7	229.1	214.4	213.9	**243.7**
1983	217.8	215.9	209.9	213.1	209.2	201.4	178.3	180.8	174.8	176.0	202.8	209.3	**199.1**
1984	214.8	201.8	196.7	203.0	202.0	205.0	206.0	216.0	214.0	223.0	232.0	242.0	**213.0**
1985	242.0	233.0	222.0	211.0	199.0	203.0	195.0	196.0	196.0	195.0	186.0	190.0	**205.7**
1986	174.0	163.0	133.0	112.0	94.0	74.0	64.0	65.0	74.0	79.0	79.0	89.0	**100.0**
1987	87.0	75.0	76.0	73.0	76.0	85.0	96.0	109.0	113.0	116.0	119.0	128.0	**96.1**

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc.

U.S. Offshore Wells Drilled
By Area
As Completed*

	1970	1971	1972	1973	1974	1975	1976	1977	1978
Gulf of Mexico	1,010	899	1,066	840	800	879	904	1,130	1,048
Alabama Offshore	0	0	0	0	0	0	0	0	0
Louisiana Offshore	953	861	1,008	760	620	679	572	785	723
Texas Offshore	57	38	58	80	166	166	304	311	307
Federal Waters	0	0	0	0	14	34	28	34	18
Pacific Coast	144	76	80	65	79	66	28	63	85
California Offshore	144	76	80	65	79	66	28	63	85
Federal Waters	0	0	0	0	0	0	0	0	0
Alaska	19	1	7	10	11	15	19	30	15
Alaska Offshore	19	1	7	10	11	14	18	19	11
Federal Waters	0	0	0	0	0	1	1	11	4
Atlantic Coast Fed.	0	0	0	0	0	0	0	1	7
Total Offshore	**1,173**	**976**	**1,153**	**915**	**890**	**960**	**951**	**1,224**	**1,155**
% Total U.S. Wells	**4.0**	**3.5**	**3.9**	**3.2**	**2.6**	**2.4**	**2.2**	**2.6**	**2.2**

	1979	1980	1981	1982	1983	1984	1985	1986	1987
Gulf of Mexico	963	916	953	880	1,020	1,174	992	650	529
Alabama Offshore	0	0	0	3	2	1	5	4	2
Louisiana Offshore	723	644	680	589	801	901	647	459	381
Texas Offshore	210	245	239	240	162	189	216	90	85
Federal Waters	30	27	34	48	55	83	124	97	61
Pacific Coast	123	137	193	235	125	144	96	49	46
California Offshore	123	137	193	231	103	132	92	41	40
Federal Waters	0	0	0	4	22	12	4	8	6
Alaska	11	10	5	12	6	4	16	13	3
Alaska Offshore	8	6	5	11	6	2	6	8	2
Federal Waters	3	4	0	1	0	2	10	5	1
Atlantic Coast Fed.	18	4	5	7	1	3	0	0	0
Total Offshore	**1,115**	**1,067**	**1,156**	**1,134**	**1,152**	**1,325**	**1,104**	**712**	**578**
% Total U.S. Wells	**2.1**	**1.5**	**1.3**	**1.3**	**1.5**	**1.6**	**1.6**	**1.9**	**1.8**

* Subject to revision as additional wells are reported which were completed in recent years.

Data from Oil & Gas Journal Energy Database.
Source: American Petroleum Institute

U.S. Production of Crude Oil and Natural Gas
Onshore and Offshore

	Crude Oil Production			Natural Gas Production		
	Offshore	Onshore	Total	Offshore	Onshore	Total
	000 bbl.			Mmcf		
1954	48,825	2,265,387	2,314,988	70,611	8,742,546	8,813,157
1955	60,543	2,425,289	2,484,428	109,132	9,40[illegible],351	9,514,483
1956	75,131	2,543,889	2,617,283	124,670	10,081,920	10,206,590
1957	85,320	2,533,249	2,616,901	152,403	10,680,260	10,832,663
1958	87,940	2,362,773	2,448,987	223,607	11,030,300	11,253,907
1959	102,704	2,474,511	2,574,590	314,050	12,046,120	12,360,170
1960	122,274	2,458,170	2,574,933	408,166	12,771,040	13,179,206
1961	138,486	2,488,382	2,621,758	451,027	13,254,030	13,705,057
1962	172,210	2,513,972	2,676,189	629,983	13,876,620	14,506,603
1963	192,765	2,564,621	2,752,723	759,959	14,666,560	15,426,519
1964	217,386	2,572,003	2,786,822	839,842	15,462,140	16,301,982
1965	241,578	2,605,862	2,848,514	931,038	16,039,750	16,970,788
1966	301,726	2,727,493	3,027,763	1,359,958	17,206,630	18,566,588
1967	367,922	2,847,565	3,215,742	1,699,198	18,17[illegible]	19,870,518
1968	471,984	2,857,851	3,329,042	2,319,543	19,32[illegible]	[illegible],641,943
1969	530,282	2,845,919	3,371,751	2,745,429	20,69[illegible]	[illegible],443,669
1970	583,465	2,941,736	3,517,450	3,287,388	21,920,[illegible]	[illegible]08,028
1971	625,697	2,839,160	3,453,914	3,590,850	22,493,01[illegible]	[illegible]83,860
1972	621,315	2,847,796	3,455,368	3,883,885	22,531,700	2[illegible]415,585
1973	583,365	2,781,905	3,360,903	3,976,454	22,647,550	26,624,004
1974	535,698	2,658,949	3,202,585	4,246,505	21,600,520	25,847,025
1975	496,537	2,559,513	3,056,779	4,164,727	20,108,660	24,273,387
1976	467,824	2,513,710	2,976,180	4,315,396	19,952,440	24,267,836
1977	439,173	2,555,589	2,985,360	4,496,927	20,025,460	24,522,387
1978	416,325	2,763,471	3,178,216	5,134,039	19,974,030	25,108,069
1979	398,595	2,731,902	3,121,310	5,444,904	20,471,260	25,916,164
1980	379,649	2,767,840	3,146,365	5,382,236	20,378,790	25,761,026
1981	385,421	2,751,214	3,128,624	5,546,462	20,177,700	25,724,162
1982	412,283	2,751,565	3,156,715	5,368,227	18,462,000	23,830,227
1983	434,547	2,711,829	3,170,999	4,587,812	12,170,095	16,757,907
1984	458,332	2,791,364	3,249,696	5,045,819	13,183,819	18,229,638
1985	467,481	2,807,072	3,274,553	4,421,357	12,776,642	17,197,999
1986	457,624	2,710,628	3,168,252	4,349,705	12,459,048	16,808,753
1987	436,679	2,610,699	3,047,378	4,147,751	13,002,736	17,150,486

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration, Minerals Management Service, Oil & Gas Journal, Offshore Magazine

U.S. Offshore Crude Oil Production
By State
Thousands of barrels

	Alaska	California	Louisiana	Texas	Total U.S.
Pre-1954	0.0	422,385.0	23,556.5	0.0	445,941.5
1954	0.0	32,665.0	16,149.9	10.0	48,824.9
1955	0.0	33,252.0	27,135.0	156.0	60,543.0
1956	0.0	32,348.0	42,643.1	140.3	75,131.4
1957	0.0	30,561.0	54,503.4	255.8	85,320.2
1958	0.0	28,363.0	59,107.1	470.0	87,940.1
1959	0.0	26,787.0	75,417.4	499.3	102,703.7
1960	0.0	28,074.0	93,632.9	567.1	122,274.0
1961	0.0	29,887.0	108,306.8	292.0	138,485.8
1962	0.0	34,613.0	136,793.2	803.5	172,209.7
1963	0.0	38,346.0	153,749.9	668.8	192,764.7
1964	0.0	40,526.0	176,281.8	578.0	217,385.8
1965	31.8	42,772.0	198,217.9	556.7	241,578.4
1966	2,652.7	53,294.0	244,528.9	1,250.2	301,725.8
1967	15,933.0	64,807.0	284,036.0	3,145.9	367,921.9
1968	52,524.6	85,338.9	330,474.3	3,646.7	471,984.5
1969	60,867.0	99,001.8	367,410.0	2,983.6	530,262.4
1970	70,472.0	104,491.9	405,474.7	3,026.6	583,465.2
1971	66,793.3	101,922.6	454,821.7	2,159.1	625,696.7
1972	64,336.6	95,730.7	458,775.2	2,472.8	621,315.3
1973	62,427.3	89,497.9	429,154.5	2,285.4	583,365.1
1974	60,630.2	83,983.6	389,124.1	1,959.9	535,697.8
1975	60,709.2	79,578.7	354,554.9	1,693.9	496,536.7
1976	55,190.9	70,624.6	340,245.2	1,763.1	467,823.8
1977	50,575.7	60,491.5	324,576.3	3,529.3	439,172.8
1978	45,712.5	55,610.5	310,437.0	4,565.2	416,325.2
1979	38,922.7	53,163.7	300,368.9	6,139.6	398,594.9
1980	32,726.5	50,177.7	284,280.0	12,464.6	379,648.8
1981	28,447.1	58,769.7	282,095.4	16,108.4	385,420.6
1982	24,680.9	68,244.8	300,339.1	19,018.0	412,282.8
1983	21,911.9	68,230.1	322,408.0	21,996.7	434,546.7
1984	19,631.0	69,762.6	344,877.3	24,060.8	458,331.7
1985	12,644.2	69,370.3	362,649.7	22,816.6	467,480.8
1986	15,349.2	63,925.3	365,872.2	21,927.3	467,074.1

Data from Oil & Gas Journal Energy Database.
Source: Minerals Management Service

U.S. Offshore Natural Gas Production
By State
Millions of cubic feet

	Alaska	California	Louisiana	Texas	Total U.S.
Pre-1954	0.0	0.0	36,435.1	0.0	36,435.1
1954	0.0	0.0	67,170.8	3,440.0	70,610.8
1955	0.0	0.0	102,252.4	6,880.0	109,132.4
1956	0.0	0.0	117,789.7	6,880.0	124,669.7
1957	0.0	0.0	138,638.4	13,765.0	152,403.4
1958	0.0	0.0	199,527.1	24,080.0	223,607.1
1959	0.0	0.0	289,970.0	24,080.0	314,050.0
1960	0.0	1,113.0	376,092.9	30,960.0	408,165.9
1961	0.0	5,903.0	431,363.5	13,760.0	451,026.5
1962	0.0	10,671.0	578,032.2	41,280.0	629,983.2
1963	0.0	25,769.0	703,230.1	30,960.0	759,959.1
1964	0.0	35,323.0	773,559.0	30,960.0	839,842.0
1965	10.9	40,770.0	862,737.5	27,520.0	931,038.4
1966	1,200.1	46,839.0	1,248,236.7	63,682.3	1,359,958.1
1967	9,046.3	46,732.0	1,482,621.9	160,797.5	1,699,197.7
1968	25,806.8	86,564.7	1,906,482.7	300,689.1	2,319,543.3
1969	43,243.5	83,903.9	2,380,224.9	238,056.4	2,745,428.7
1970	83,139.5	71,121.3	2,868,465.6	264,661.2	3,287,387.6
1971	86,326.3	61,448.1	3,207,475.1	235,600.0	3,590,849.5
1972	76,818.6	44,780.7	3,485,002.9	277,282.5	3,883,884.7
1973	74,655.1	37,882.9	3,612,878.4	251,038.0	3,976,454.4
1974	74,672.5	34,504.7	3,867,751.4	269,576.7	4,246,505.3
1975	76,294.5	27,271.7	3,840,631.1	220,530.0	4,164,727.3
1976	74,142.5	22,459.1	4,012,800.8	205,993.4	4,315,396.1
1977	77,539.5	17,527.1	4,133,609.9	268,250.0	4,496,926.5
1978	74,910.5	17,668.4	4,639,459.8	402,000.0	5,134,038.7
1979	73,792.4	16,417.1	4,635,486.9	719,207.9	5,444,904.3
1980	64,543.2	16,181.8	4,422,491.6	879,019.7	5,382,236.3
1981	72,307.3	26,237.0	4,480,934.4	966,983.0	5,546,461.7
1982	68,392.5	31,758.1	4,163,089.4	1,104,987.2	5,368,227.2
1983	68,836.8	29,877.6	3,490,146.4	998,951.5	4,587,812.3
1984	68,688.2	41,643.5	3,892,102.8	1,043,384.2	5,045,818.7
1985	62,796.0	68,647.3	3,346,856.2	943,057.2	4,421,356.7
1986	63,351.0	60,941.9	3,155,961.2	1,093,496.8	4,373,750.9

Data from Oil & Gas Journal Energy Database.
Source: Minerals Management Service

U.S. Federal Offshore Leasing Activity

	No. of Sales	Tracts		Acres		Bonuses Paid for Leases (Dollars)
		Offered	Leased	Offered	Leased	
1954	3	345	114	1,384,238	486,870	140,969,005
1955	1	210	121	674,095	402,567	108,528,726
1959	2	118	42	539,813	171,300	89,746,992
1960	2	395	148	1,632,339	707,026	246,985,034
1962	3	830	420	3,718,115	1,929,177	489,481,061
1963	1	129	57	669,777	312,945	12,807,337
1964	2	224	124	1,124,102	613,524	95,874,327
1965	1	658	50	947,520	72,000	33,740,309
1966	3	71	42	265,886	141,768	209,199,893
1967	2	214	159	988,484	746,951	510,109,742
1968	3	305	197	1,315,984	934,164	1,346,487,097
1969	3	185	40	355,758	114,282	111,660,685
1970	2	161	138	666,845	598,540	945,064,773
1971	1	18	11	55,872	37,222	96,304,523
1972	2	210	178	970,711	826,195	2,251,347,556
1973	2	276	187	1,514,940	1,032,570	3,082,462,611
1974	4	1,006	356	5,006,881	1,762,158	5,022,860,815
1975	4	1,374	321	7,247,327	1,679,877	1,088,133,152
1976	4	536	246	2,827,342	1,277,937	2,242,898,467
1977	2	358	211	1,843,116	1,100,734	1,568,564,745
1978	4	586	249	3,140,696	1,297,274	1,767,042,064
1979	6	666	351	3,412,249	1,767,443	5,078,861,693
1980	3	483	218	2,563,452	1,134,238	4,204,640,257
1981	7	1,398	430	7,679,740	2,265,537	6,652,980,897
1982	5	1,410	357	7,637,122	1,886,359	3,987,490,009
1983	7	21,689	1,251	120,054,037	6,587,879	5,749,016,369
1984	6	27,984	1,400	154,383,680	7,494,803	4,037,050,308
1985	3	15,754	667	87,028,709	3,512,043	1,539,464,714
1986	2	10,724	142	58,670,103	734,418	187,094,747

Note: In addition to oil and gas sales data is included for 3 sulphur sales (1954, 1965, 1969) and 2 salt sales (1960, 1967).

Data from Oil & Gas Journal Energy Database.
Source: Minerals Management Service

Crude Oil Spills in Federal Waters

	Gulf of Mexico			Pacific Coast			
	No. of Spills		Total Barrels Spilled	No. of Spills		Total Barrels Spilled	Total Seepage* in bbl.
	1-50 bbl.	More than 50 bbl.		1-50 bbl.	More than 50 bbl.		
1970	NA	7	83,823	NA	NA	NA	NA
1971	NA	10	1,110	NA	NA	NA	NA
1972	NA	2	181	NA	0	0	10,325
1973	NA	3	21,935	NA	0	0	1,825
1974	NA	8	23,973	NA	0	0	1,460
1975	NA	0	0	NA	0	0	1,460
1976	57	2	4,740	0	0	0	1,458
1977	58	3	919	0	0	0	1,458
1978	59	3	1,382	0	0	0	1,456
1979	92	2	536	0	0	0	1,456
1980	40	2	1,775	1	0	2	1,456
1981	46	4	5,503	6	0	32	1,456
1982	42	0	124	3	0	8	1,456
1983	57	2	520	3	0	4	912
1984	46	1	224	5	0	40	730
1985	36	2	581	3	0	9	365
1986	36	1	227	2	0	11	365

* Represents seepage in the Santa Barbara Channel. 1972 figure is total for 1970 through 1972.

Data from Oil & Gas Journal Energy Database.
Source: Minerals Management Service

Blowouts and Spillage from Federal Offshore Oil Wells

	No. of Well Starts	---Drilling Blowouts--- Exploration No.	Exploration Bbl.	Development No.	Development Bbl.	-------Non-Drilling Blowouts------- Production No.	Production Bbl.	Workover No.	Workover Bbl.	Completion No.	Completion Bbl.	Total No. of Blowouts	Spills in Bbl.	Production in Mill bbl.
1971	864	2	0	0	0	2	450	1	0	0	0	5	450	418.5
1972	856	2	0	1	0	0	0	0	0	0	0	3	0	411.9
1973	829	2	0	1	0	0	0	0	0	0	0	3	0	394.7
1974	801	0	0	1	0	2	75	1	200	0	0	4	275	360.6
1975	841	4	0	0	0	0	0	1	0	1	0	6	0	330.2
1976	1,086	1	0	4	0	1	0	0	0	0	0	6	0	316.9
1977	1,220	2	0	2	0	0	0	3	0	2	0	9	0	303.9
1978	1,139	4	0	5	0	0	0	2	0	1	0	12	0	292.3
1979	1,109	3	0	[illegible]	0	0	0	0	0	0	0	5	0	285.6
1980	1,079	3	0	1	0	1	1	2	0	1	0	8	1	277.4
1981	1,109	2	0	1	0	0	0	2	64	5	0	10	64	289.8
1982	1,159	0	0	4	0	0	0	3	0	1	0	8	0	321.2
1983	1,066	3	0	4	0	0	0	1	0	1	0	9	0	348.3
1984	1,136	3	0	2	10	0	0	1	0	0	0	6	10	370.2
1985	1,040	2	0	0	0	1	40	1	0	0	0	4	40	389.3
1986	588	1	0	0	0	0	0	1	0	0	0	2	0	389.2

Data from Oil & Gas Journal Energy Database.
Source: Minerals Management Service

Platform Installations and Removals
U.S. Federal Offshore

	---Gulf of Mexico----		----Pacific Coast----	
	Installed	Removed	Installed	Removed
1953	41	0	0	0
1954	24	0	0	0
1955	30	1	0	0
1956	45	1	0	0
1957	55	4	0	0
1958	85	0	0	0
1959	80	1	0	0
1960	114	0	0	0
1961	111	0	0	0
1962	123	0	0	0
1963	86	2	0	0
1964	130	0	0	0
1965	126	5	0	0
1966	116	2	0	0
1967	134	0	1	0
1968	107	1	3	0
1969	105	1	1	0
1970	124	1	0	0
1971	101	4	0	0
1972	121	6	0	0
1973	98	1	0	0
1974	52	18	0	0
1975	100	32	0	0
1976	111	31	1	0
1977	116	15	1	0
1978	164	25	0	0
1979	159	43	2	0
1980	169	32	3	0
1981	171	24	2	0
1982	192	21	0	0
1983	179	36	1	0
1984	224	47	1	0
1985	119	68	3	0
1986	97	33	1	0

Data from Oil & Gas Journal Energy Database.
Source: Minerals Management Service

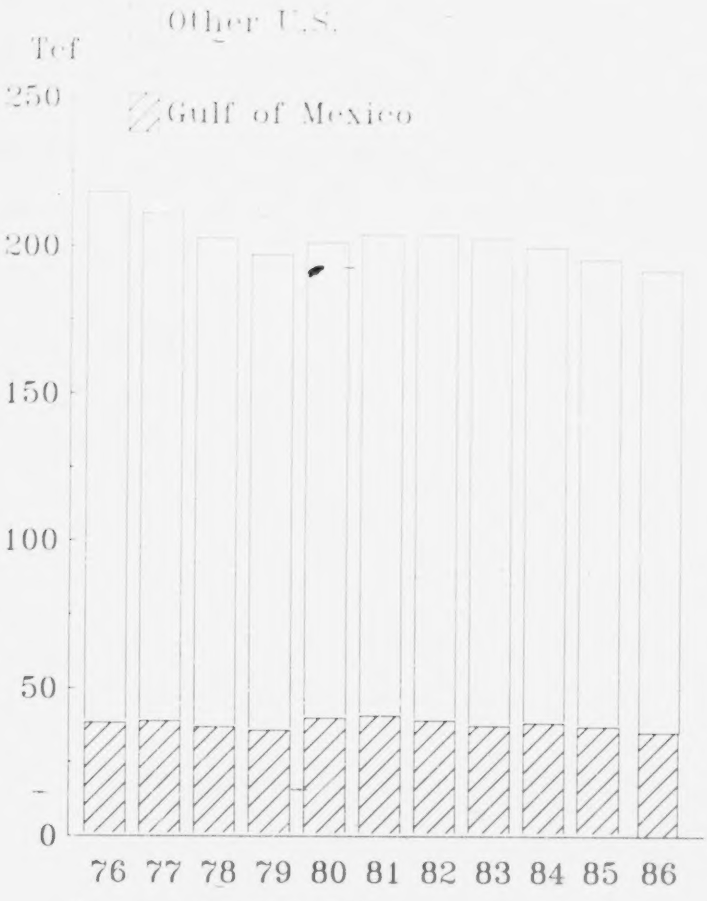
Disbursement of Mineral Revenues from Federal Offshore Leases By Fiscal Year

	To U.S. Treasury, General Fund		To Special Funds		
	Bonus & Rental Payments	Royalty Payments	Land & Water Conservation	Historic Preservation	Total Disbursement
1971	689,281,286	151,175,994	210,092,091	0	1,050,549,371
1972	28,029,742	27,645,946	223,677,068	0	279,352,756
1973	2,928,891,919	802,701,972	223,983,126	0	3,955,577,017
1974	6,096,405,041	408,101,161	243,887,918	0	6,748,394,120
1975	1,688,826,143	491,813,968	247,325,029	0	2,427,965,140
1976	1,385,179,272	1,000,627,187	276,641,316	0	2,662,447,775
TQ*	1,090,478,816	178,741,689	41,898,324	0	1,311,118,829
1977	1,312,356,698	804,649,966	232,339,865	24,000,000	2,373,346,529
1978	319,390,790	1,005,726,401	833,428,546	100,000,000	2,258,545,737
1979	1,088,416,655	1,337,744,641	741,214,437	100,000,000	3,267,375,733
1980	1,360,713,229	1,839,574,175	900,583,342	0	4,100,870,746
1981	6,684,689,957	2,286,169,198	867,123,128	300,000,000	10,137,982,283
1982	1,744,453,723	3,529,206,734	825,959,504	150,000,000	6,249,619,961
1983	6,579,073,584	2,947,728,610	814,693,040	150,000,000	10,491,495,234
1984	2,604,347,777	3,149,777,867	789,421,288	150,000,000	6,693,546,932
1985	1,018,662,056	3,588,937,243	784,279,198	150,000,000	5,541,878,497
1986	1,188,838,879	2,621,904,068	755,223,819	150,000,000	4,715,966,766

* A transitional quarter was made necessary when the Federal Government changed its fiscal yearend to September.

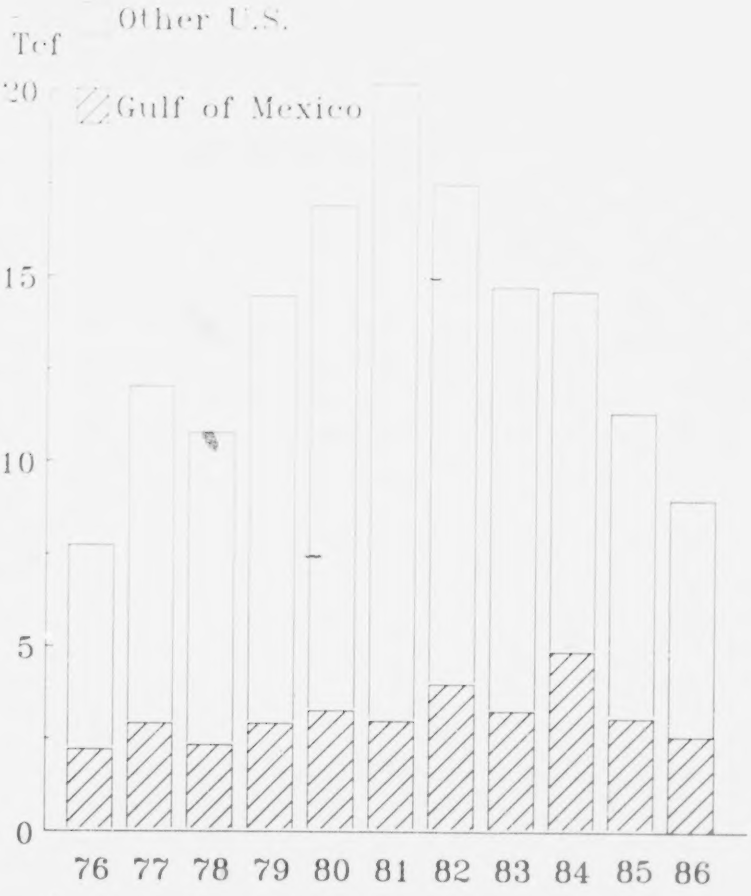
Data from Oil & Gas Journal Energy Database.
Source: Minerals Management Service

U.S. Natural Gas Reserves



Source: API, AGA, EIA

Natural Gas Reserve Additions



Source: API, AGA, EIA

Gulf of Mexico Reserves and Reserve Additions
Crude Oil and Natural Gas

	Crude Oil					Natural Gas				
	Reserves Dec. 31	Extensions	New Field Discoveries	New Reservoir Discoveries Old Fields	Total Reserve Additions	Reserves Dec. 31	Extensions	New Field Discoveries	New Reservoir Discoveries Old Fields	Total Reserve Additions
	000 bbl.					Mmcf				
1960	1,619,228	NA	NA	NA	NA	NA	NA	NA	NA	NA
1961	1,759,091	NA	NA	NA	NA	NA	NA	NA	NA	NA
1962	1,786,736	NA	NA	NA	NA	NA	NA	NA	NA	NA
1963	1,804,644	NA	NA	NA	NA	NA	NA	NA	NA	NA
1964	1,961,575	NA	NA	NA	NA	NA	NA	NA	NA	NA
1965	2,001,189	NA	NA	NA	NA	NA	NA	NA	NA	NA
1966	2,282,618	NA	NA	NA	NA	30,340,112	NA	NA	NA	NA
1967	2,379,436	NA	NA	NA	NA	34,182,892	NA	NA	NA	NA
1968	2,536,471	NA	NA	NA	NA	35,851,528	NA	NA	NA	NA
1969	2,768,557	NA	NA	NA	NA	35,306,704	NA	NA	NA	NA
1970	2,924,095	216,071	122,375	27,478	365,924	37,781,044	NA	NA	NA	NA
1971	2,748,310	81,114	13,600	9,242	103,956	38,397,672	NA	NA	NA	NA
1972	2,565,862	100,526	36,500	65,836	202,862	38,785,664	1,037,769	552,104	901,985	2,491,858
1973	2,347,525	68,337	31,780	20,145	120,262	36,785,308	765,931	736,676	547,548	2,050,155
1974	2,212,008	34,664	73,528	37,225	145,417	35,347,840	765,931	736,676	547,548	2,050,155
1975	2,099,786	55,469	113,726	85,629	254,824	37,332,640	1,438,926	1,131,935	334,912	2,905,773
1976	1,968,253	64,133	10,170	29,379	103,682	37,103,084	696,738	426,319	981,206	2,104,263
1977	1,874,498	37,579	40,483	60,440	138,502	37,555,524	940,356	976,804	891,150	2,808,310
1978	1,749,464	37,094	20,739	46,060	103,893	35,635,004	992,060	536,727	705,489	2,234,276
1979*	1,707,584	45,554	17,335	26,128	89,017	34,409,740	921,530	1,292,804	595,970	2,810,304
1980*	1,791,000	32,000	18,000	86,000	136,000	38,733,000	1,310,000	690,000	1,163,000	3,163,000
1981	2,006,000	82,000	35,000	99,000	216,000	39,451,000	943,000	1,015,000	913,000	2,871,000
1982	2,018,000	83,000	27,000	65,000	175,000	37,761,000	1,096,000	1,166,000	1,606,000	3,868,000
1983	2,038,000	127,000	33,000	88,000	248,000	36,042,000	1,064,000	893,000	1,179,000	3,136,000
1984	2,022,000	133,000	20,000	93,000	246,000	37,026,000	1,862,000	1,913,000	967,000	4,742,000
1985	2,000,000	68,000	25,000	66,000	159,000	35,885,000	1,268,000	368,000	1,317,000	2,953,000
1986	1,862,000	72,000	27,000	40,000	139,000	34,942,000	1,185,000	832,000	554,000	2,571,000

* Data from 1960-1979 is from API/AGA. Data from 1980-1986 is from EIA. Some discontinuity exists.

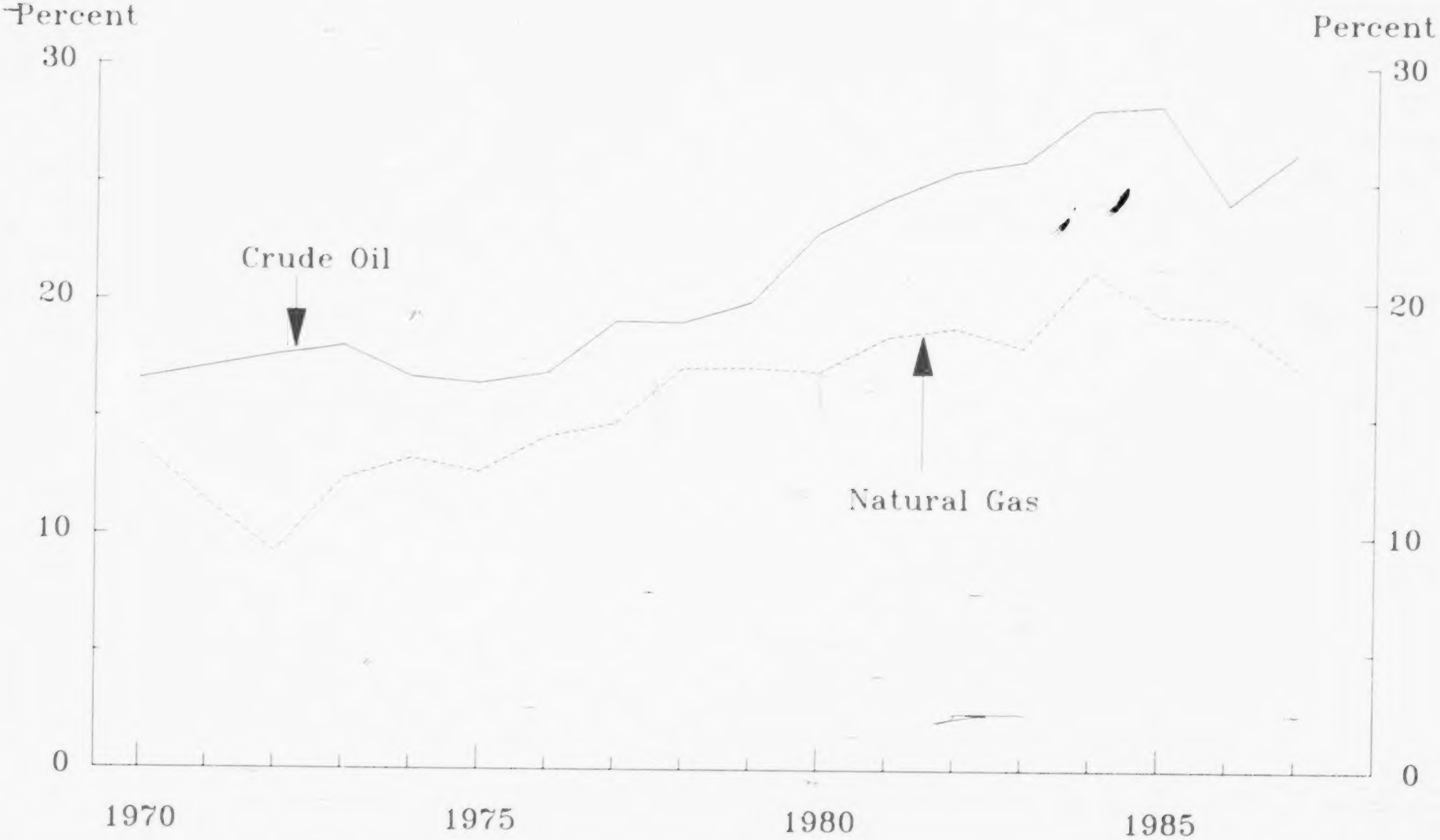
Data from Oil & Gas Journal Energy Database.
Source: American Petroleum Institute, American Gas Association, Energy Information Administration

Worldwide Crude Oil and Natural Gas Production
Onshore and Offshore

	Crude Oil Production			Natural Gas Production		
	Offshore	Onshore	Total	Offshore	Onshore	Total
	000 bbl.			Mmcf		
1969	2,261,175	12,961,335	15,222,510	NA	NA	NA
1970	2,749,290	13,815,651	16,564,941	5,261,019	32,832,941	38,093,960
1971	3,001,965	14,545,994	17,547,959	4,682,485	36,505,915	41,188,400
1972	3,247,186	15,171,225	18,418,411	4,017,978	39,506,582	43,524,560
1973	3,638,357	16,524,791	20,163,148	5,709,421	40,434,179	46,143,600
1974	3,397,676	16,917,568	20,315,243	6,243,850	40,934,670	47,178,520
1975	3,186,158	16,169,792	19,355,950	6,021,223	41,496,548	47,517,770
1976	3,522,104	17,325,492	20,847,596	6,848,970	41,456,711	48,305,680
1977	4,161,767	17,639,684	21,801,450	7,392,163	42,707,928	50,100,090
1978	4,196,369	17,794,444	21,990,812	9,349,110	45,288,390	54,637,500
1979	4,569,070	18,334,388	22,903,458	9,803,718	47,401,883	57,205,600
1980	4,996,668	16,845,334	21,842,002	9,963,259	48,775,441	58,738,700
1981	4,977,396	15,472,934	20,450,330	10,661,176	47,119,825	57,781,000
1982	4,949,838	14,440,897	19,390,735	10,704,209	46,032,691	56,736,900
1983	5,009,114	14,275,223	19,284,337	10,048,195	45,695,306	55,743,500
1984	5,565,958	14,207,997	19,773,955	12,670,902	46,798,798	59,469,700
1985	5,538,547	13,998,407	19,536,954	12,207,644	50,639,056	62,846,700
1986	4,919,762	15,428,368	20,348,130	12,348,642	51,766,658	64,115,300
1987	5,383,743	15,039,467	20,423,210	11,688,114	56,479,886	68,168,000

Data from Oil & Gas Journal Energy Database.
Source: Offshore Magazine, Oil & Gas Journal

World Production of Crude and Natural Gas
Percentage from Offshore



Source: Offshore Mag., OGJ

Offshore Crude Oil Production
By Country
Thousands of barrels per day

	1972	1973	1974	1975	1976	1977	1978	1979	1980
Abu Dhabi	345.2	454.4	513.0	462.7	560.0	627.0	590.7	596.8	1,322.0
Angola-Cabinda	137.4	144.2	140.4	143.2	33.6	130.5	94.6	160.0	97.0
Australia	303.0	348.2	217.3	412.5	348.0	430.4	414.8	401.0	323.2
Brazil	8.2	17.2	20.4	19.0	35.4	28.8	38.9	72.0	73.0
Brunei	218.0	264.2	287.1	141.2	170.2	223.0	191.0	189.6	192.2
Cameroon	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chile	NA	NA	NA	NA	NA	NA	NA	NA	NA
China	NA	NA	NA	NA	NA	NA	2.0	2.0	2.0
Congo	7.9	34.8	46.0	37.3	38.0	25.0	52.4	52.0	27.0
Denmark	NA	2.7	1.9	3.3	8.0	10.2	8.5	12.0	6.6
Dubai	129.5	221.5	132.9	249.3	308.3	317.0	362.0	362.7	345.0
Egypt	157.0	130.8	147.2	165.0	231.1	399.0	396.0	430.0	390.3
Gabon	43.6	57.2	59.6	179.9	165.9	183.2	137.0	196.0	177.9
Ghana	NA	NA	NA	NA	NA	NA	5.0	2.0	2.0
Greece	NA	NA	NA	NA	NA	NA	NA	NA	NA
India	NA	NA	NA	NA	15.0	80.0	61.7	81.4	142.1
Indonesia	69.9	174.2	247.4	246.5	426.0	591.0	545.2	374.7	533.1
Iran	467.8	452.4	455.2	481.2	426.5	507.4	654.5	200.0	150.0
Italy	10.9	12.7	10.2	10.4	10.1	12.0	4.3	4.8	6.3
Ivory Coast	NA	NA	NA	NA	NA	NA	NA	0.0	5.8
Japan	1.2	1.0	1.9	0.9	3.0	3.1	2.5	0.5	1.5
Malaysia	NA	NA	NA	84.5	151.4	178.1	225.0	271.0	280.3
Mexico	38.0	20.8	11.9	45.0	45.4	48.4	40.2	430.0	500.2
Netherlands	NA	NA	NA	NA	NA	NA	NA	0.0	0.0
Neutral Zone	409.8	394.0	333.9	315.1	247.1	165.6	240.0	395.2	403.0
New Zealand	NA	NA	NA	NA	NA	NA	NA	0.0	3.2
Nigeria	409.0	518.4	648.9	431.3	525.1	536.4	384.4	543.5	579.1
Norway	32.3	32.3	35.6	189.6	242.6	279.7	356.5	407.3	628.8
Peru	23.8	31.4	34.4	28.9	31.8	28.6	28.9	29.1	29.9
Philippines	NA	NA	NA	NA	NA	NA	NA	26.0	4.0
Qatar	NA	NA	NA	NA	NA	244.3	260.0	275.7	247.6
Ra's al Kaymah	NA	NA	NA	NA	NA	NA	NA	NA	NA
Saudi Arabia	1,490.7	1,990.4	2,024.6	1,385.9	1,694.8	2,621.4	2,621.4	2,828.0	2,958.0
Sharjah	NA	NA	NA	38.4	37.0	32.6	25.4	12.1	10.0
Spain	NA	20.0	34.1	32.9	33.3	23.0	20.0	22.2	31.3
Thailand	NA	NA	NA	NA	NA	NA	NA	0.0	0.0
Trinidad	236.0	236.0	135.1	174.0	180.1	189.3	175.6	167.4	166.5
Tunisia	NA	NA	NA	43.0	37.0	45.5	45.2	48.5	43.6
United Kingdom	NA	NA	NA	83.0	446.0	760.0	1,070.0	1,571.4	1,650.0
United States	1,702.2	1,598.3	1,467.7	1,360.4	1,281.7	1,203.2	1,140.6	1,092.0	1,040.1
U.S.S.R.	155.0	111.0	231.0	228.0	220.0	205.0	200.0	190.0	200.0
Venezuela	2,500.0	2,700.0	2,071.2	1,737.1	1,677.2	1,249.8	1,083.5	1,050.0	1,095.6
Zaire	NA	NA	NA	NA	20.0	23.4	19.0	20.8	21.5
Total World	**8,896.4**	**9,968.1**	**9,308.7**	**8,729.2**	**9,649.6**	**11,402.1**	**11,496.9**	**12,518.0**	**13,689.5**

Offshore Crude Oil Production
By Country
Thousands of barrels per day

	1981	1982	1983	1984	1985	1986	1987
Abu Dhabi	555.0	443.4	338.5	340.0	281.0	265.0	247.0
Angola-Cabinda	134.0	87.7	142.5	175.0	170.0	185.6	185.0
Australia	348.1	368.1	341.1	420.0	474.1	384.1	434.6
Brazil	91.8	176.9	197.2	313.0	375.4	376.0	396.0
Brunei	126.0	121.0	121.6	116.0	98.8	98.7	95.7
Cameroon	NA	103.6	93.4	150.0	133.0	125.0	201.3
Chile	NA	31.3	29.5	23.0	22.1	11.3	10.9
China	2.0	0.0	0.0	2.0	2.5	1.0	1.1
Congo	79.0	86.7	94.9	117.5	114.4	115.0	116.8
Denmark	15.0	34.0	43.0	46.7	52.4	55.0	56.1
Dubai	359.0	364.0	323.0	346.9	322.2	330.6	326.0
Egypt	570.0	570.0	508.7	712.1	743.1	589.6	602.1
Gabon	113.4	102.5	130.0	130.0	112.8	105.0	92.6
Ghana	1.8	1.3	1.2	0.8	2.0	0.3	0.3
Greece	NA	20.9	23.0	26.1	26.4	27.2	26.2
India	160.0	257.0	342.3	432.0	614.0	621.0	584.0
Indonesia	561.0	535.7	438.5	543.3	483.0	391.9	451.5
Iran	350.0	NA	NA	NA	610.6	505.0	515.5
Italy	6.0	10.0	22.6	22.9	28.2	8.9	57.4
Ivory Coast	9.8	9.4	21.3	22.0	22.1	19.5	17.4
Japan	0.9	0.9	1.0	4.0	0.8	1.4	1.3
Malaysia	250.0	302.2	383.0	439.4	279.5	20.9	204.3
Mexico	1,106.0	1,638.6	1,673.8	1,793.4	1,703.0	1,700.0	1,671.4
Netherlands	0.0	0.0	20.8	32.0	23.9	20.7	19.2
Neutral Zone	268.0	158.0	216.0	320.0	266.0	266.0	252.0
New Zealand	4.5	8.7	6.7	10.1	11.9	14.0	20.8
Nigeria	455.0	371.4	306.1	385.7	415.9	289.5	456.2
Norway	509.0	534.3	615.0	725.1	755.9	780.6	846.9
Peru	26.0	26.6	25.2	26.0	113.0	116.6	115.6
Philippines	7.8	16.5	14.7	10.6	8.5	7.8	4.7
Qatar	192.7	167.5	129.2	202.1	196.0	158.0	191.3
Ra's al Kaymah	NA	NA	NA	NA	9.1	11.1	9.8
Saudi Arabia	3,000.0	2,392.0	2,100.0	2,100.0	1,505.9	1,107.0	1,510.3
Sharjah	10.5	6.9	6.9	5.9	5.9	8.6	9.8
Spain	21.8	28.4	57.8	44.8	49.1	36.1	35.1
Thailand	0.0	6.0	6.8	8.0	13.4	15.9	14.3
Trinidad	154.0	135.2	123.3	137.5	135.7	127.8	128.3
Tunisia	34.0	30.5	39.2	35.8	29.7	6.1	28.4
United Kingdom	1,800.0	2,060.0	2,270.9	2,479.2	2,548.6	2,236.6	2,314.7
United States	1,055.9	1,129.5	1,190.5	1,255.7	1,280.8	1,257.0	1,212.3
U.S.S.R.	196.0	177.0	175.0	168.0	165.0	165.0	207.0
Venezuela	1,043.6	1,026.1	1,128.2	1,100.0	951.1	900.0	1,061.6
Zaire	19.0	21.5	21.3	26.8	17.6	16.6	17.5
Total World	13,636.7	13,561.2	13,723.6	15,249.2	15,174.1	13,478.8	14,750.0

Data from Oil & Gas Journal Energy Database.
Source: Offshore Magazine, Minerals Management Service

North Sea Crude Oil Production
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1971	1.7	1.7	1.7	1.6	1.6	1.6	8.4	12.1	16.6	19.1	13.2	14.4	**7.8**
1972	11.1	33.0	36.7	42.6	41.5	40.9	50.7	51.0	45.7	44.6	29.3	31.4	**38.2**
1973	43.6	33.0	47.9	34.4	44.6	46.0	40.7	41.0	41.0	44.0	44.0	9.5	**39.1**
1974	8.0	31.0	23.0	17.0	36.0	44.0	53.0	53.0	56.0	50.0	63.0	52.0	**40.5**
1975	262.0	83.0	129.0	156.0	156.0	234.0	279.0	247.0	319.0	282.0	253.0	371.0	**230.9**
1976	382.0	397.0	396.0	339.0	357.0	485.0	577.0	583.0	616.0	677.0	643.0	823.0	**522.9**
1977	881.0	982.0	1,042.0	958.0	985.0	1,035.0	990.0	1,103.0	1,121.0	1,153.0	1,137.0	1,252.0	**1,053.3**
1978	1,287.0	1,337.0	1,241.0	1,356.0	1,462.0	1,393.0	1,460.0	1,490.0	1,464.0	1,517.0	1,647.0	1,715.0	**1,447.4**
1979	1,877.0	1,877.0	1,705.0	1,859.0	2,028.0	2,106.0	2,089.0	2,058.0	2,159.0	1,982.0	2,029.0	2,055.0	**1,985.3**
1980	2,186.1	2,279.1	2,245.1	2,092.1	2,183.1	2,149.1	1,853.1	2,080.1	2,041.1	2,103.1	2,271.1	2,313.1	**2,149.7**
1981	2,290.2	2,336.2	2,408.2	2,376.2	2,290.2	2,373.2	2,321.2	2,116.2	2,315.2	2,262.2	2,381.2	2,413.2	**2,323.6**
1982	2,437.6	2,407.6	2,482.6	2,642.6	2,577.6	2,545.6	2,615.6	2,580.6	2,629.6	2,618.6	2,717.6	2,746.6	**2,583.5**
1983	2,701.0	2,982.0	2,911.0	2,821.0	2,789.0	2,732.0	3,015.0	2,911.0	3,033.0	3,073.0	3,199.0	3,266.0	**2,952.8**
1984	3,273.4	3,324.4	3,202.4	3,224.4	3,197.4	3,102.4	3,157.4	3,058.4	3,221.4	3,448.4	3,450.4	3,524.4	**3,265.4**
1985	3,515.9	3,447.9	3,451.9	3,476.9	3,454.9	2,927.9	3,309.9	3,117.9	3,505.9	3,648.9	3,635.9	3,452.9	**3,412.2**
1986	3,674.9	3,684.9	3,672.9	2,997.0	3,432.0	3,163.0	3,656.0	3,591.0	3,484.0	3,602.0	3,575.0	3,472.0	**3,500.4**
1987	3,813.0	3,643.0	3,622.0	3,696.0	3,683.0	2,914.0	3,619.0	3,330.0	3,579.0	3,732.0	3,756.0	3,551.0	**3,578.2**

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Offshore Natural Gas Production
By Country
Millions of cubic feet per day

	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Angola	NA	NA	NA	NA	NA	NA	24.2	26.0	27.1	30.2	33.8
Australia	651.0	847.0	540.0	388.0	551.7	550.0	610.0	638.0	677.0	725.3	821.0
Brazil	25.0	65.9	91.4	100.0	116.1	94.8	193.3	221.0	235.0	215.0	389.0
Brunei	NA	988.0	1,030.0	984.8	875.0	850.0	900.0	900.0	833.0	815.0	822.0
Chile	NA	NA	NA	NA	NA	NA	NA	NA	95.4	92.0	96.7
Colombia	NA	NA	33.0	64.7	156.0	99.1	34.8	176.0	219.0	127.0	212.8
Congo	NA	NA	NA	NA	NA	NA	NA	3.0	3.0	3.0	NA
Denmark	NA	NA	NA	NA	NA	NA	NA	53.2	119.0	145.1	164.4
Egypt	NA	72.0	65.0	57.9	60.0	73.0	94.1	116.0	112.0	110.0	120.9
Gabon	NA	0.6	0.0	0.0	7.8	NA	7.8	0.1	0.3	0.0	0.0
Ghana	NA	NA	NA	8.0	8.0	7.4	NA	NA	NA	NA	NA
Greece	NA	NA	NA	NA	NA	NA	8.2	3.0	7.0	9.1	9.7
India	NA	3.4	48.5	2.7	2.2	141.0	188.6	276.5	316.2	372.3	430.4
Indonesia	621.9	561.0	439.3	440.0	632.0	550.0	657.0	872.0	757.0	663.7	793.0
Ireland	NA	1.8	125.0	125.0	124.0	150.0	220.0	223.1	230.3	230.0	232.1
Italy	NA	38.0	23.0	22.0	884.0	1,018.0	312.3	408.1	414.7	415.1	420.7
Ivory Coast	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.9	1.9
Japan	NA	60.0	35.0	47.7	30.0	27.7	27.0	27.0	26.0	55.0	51.0
Malaysia	NA	NA	NA	NA	NA	NA	722.0	400.0	486.0	1,440.3	1,412.0
Mexico	NA	107.9	22.8	25.0	584.7	895.9	901.4	1,002.5	937.0	950.0	1,063.8
Netherlands	530.0	530.0	1,062.3	1,170.0	1,140.0	1,071.0	1,257.0	1,528.1	1,537.7	1,480.0	1,645.0
New Zealand	NA	NA	NA	NA	NA	163.0	177.4	336.0	513.0	369.0	287.0
Nigeria	NA	NA	NA	NA	NA	NA	67.7	93.0	92.8	98.0	96.9
Norway	269.0	1,375.0	2,252.8	2,426.0	2,837.5	2,500.0	3,093.0	2,976.0	2,910.0	3,011.0	2,862.7
Oman	NA	NA	NA	NA	NA	NA	NA	52.0	48.0	35.1	NA
Qatar	NA	NA	NA	NA	NA	NA	85.0	92.2	97.3	94.0	96.3
Saudi Arabia	NA	NA	NA	NA	NA	NA	540.0	560.0	580.3	501.0	531.9
Spain	NA	850.1	NA	NA	NA	NA	NA	26.6	26.0	43.5	91.9
Taiwan	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	19.3
Thailand	NA	NA	NA	NA	NA	NA	NA	256.0	346.0	341.9	353.0
Trinidad	344.3	428.5	404.4	420.0	500.0	488.3	470.0	350.0	346.0	367.5	386.8
United Arab Emirates	615.0	629.0	627.0	1,434.0	710.0	317.0	909.1	822.1	706.0	696.3	735.0
United Kingdom	3,880.0	3,925.9	3,981.5	3,610.0	3,462.0	3,703.0	3,824.0	5,560.0	5,826.0	5,600.0	4,468.1
United States	12,320.3	14,065.9	14,917.5	14,745.9	15,195.8	14,707.5	12,569.3	13,824.2	12,113.3	11,917.0	11,363.7
U.S.S.R.	996.0	1,064.0	1,161.0	1,225.0	1,332.0	1,420.0	NA	1,520.0	1,475.0	1,300.0	1,400.0
Venezuela	NA	NA	NA	NA	NA	NA	696.3	677.0	638.3	628.6	609.3
Total World	**20,252.5**	**25,614.0**	**26,859.5**	**27,296.6**	**29,208.7**	**28,826.6**	**28,589.6**	**34,018.5**	**32,750.7**	**32,883.0**	**32,022.2**

Data from Oil & Gas Journal Energy Database.
Source: Offshore Magazine, Minerals Management Service

Offshore Mobile Rig Utilization Rate
Gulf of Mexico
Percentage

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1979	94.60	95.70	95.70	95.80	98.30	96.70	97.60	97.00	94.80	95.60	97.70	97.10	**96.38**
1980	97.10	97.90	97.20	95.80	96.50	97.90	98.60	96.50	95.70	96.50	95.80	99.30	**97.07**
1981	97.30	99.30	96.50	94.70	95.30	94.80	96.80	96.20	100.00	96.20	98.90	99.40	**97.12**
1982	100.00	98.90	98.90	97.80	98.30	96.60	94.00	90.80	85.30	83.20	79.60	76.90	**91.69**
1983	76.30	74.50	74.00	67.30	64.40	59.20	59.40	57.90	56.20	59.20	66.70	72.30	**65.62**
1984	83.40	80.70	78.40	81.30	82.90	82.20	81.10	82.90	83.90	86.20	86.70	87.50	**83.10**
1985	81.85	59.02	80.00	75.69	72.55	69.53	71.21	64.06	65.76	68.22	67.18	74.90	**73.33**
1986	75.10	66.93	55.69	45.80	33.61	32.65	27.46	32.13	31.98	33.18	36.11	46.67	**43.11**
1987	43.87	39.22	40.80	40.51	39.68	43.46	54.45	56.70	59.10	67.90	78.70	76.60	**53.42**

Offshore Mobile Rig Utilization Rate
Total World
Percentage

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1979	91.70	92.20	92.50	92.50	93.00	93.10	92.90	93.50	94.20	95.10	95.80	95.00	**93.46**
1980	95.00	95.70	95.70	95.70	95.80	96.70	96.90	96.50	97.60	96.20	96.20	97.90	**96.33**
1981	97.10	98.00	96.20	95.50	95.10	95.00	96.60	97.40	98.40	98.00	98.50	98.70	**97.04**
1982	98.60	98.90	98.80	98.10	98.10	96.70	95.50	91.30	90.90	88.90	88.80	84.70	**94.11**
1983	83.70	82.90	80.70	77.70	75.20	74.20	73.70	72.70	72.90	72.90	74.40	76.50	**76.46**
1984	80.70	80.70	80.50	81.40	81.10	81.30	82.30	84.40	84.00	85.90	86.90	87.30	**83.04**
1985	84.10	88.80	84.50	76.20	82.70	82.70	83.00	81.80	81.70	81.40	80.10	80.20	**82.27**
1986	80.20	77.00	72.20	67.20	60.47	58.41	56.38	56.73	54.17	52.95	53.59	55.96	**62.11**
1987	55.07	54.78	54.33	53.10	53.90	54.20	58.30	59.52	62.00	62.60	68.70	70.31	**58.90**

Data from Oil & Gas Journal Energy Database.
Source: Ocean Oil Information Services

Offshore Wells Drilled
By Country

	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Angola-Cabinda	21	13	NA	0	0	9	7	2	21	58	74	44	49	38	28
Argentina	2	0	NA	NA	4	4	2	5	9	10	9	0	5	2	4
Australia	37	30	19	3	15	34	30	24	26	57	54	78	60	48	35
Brazil	48	52	NA	41	70	96	148	139	121	148	181	132	168	180	141
Brunei	NA	NA	NA	NA	NA	63	57	30	26	55	39	62	60	36	28
Cameroon	3	5	NA	NA	0	24	15	15	40	68	60	65	57	32	16
Canada	29	21	67	21	2	10	17	14	21	21	30	34	53	25	15
Chile	NA	NA	NA	4	21	28	34	28	NA	NA	19	16	15	11	12
China	NA	NA	NA	NA	NA	55	15	15	9	17	30	40	26	7	7
Congo	NA	NA	NA	NA	NA	27	14	2	41	73	65	17	10	4	4
Denmark	4	2	7	12	4	4	2	0	12	22	29	5	4	3	0
Ecuador	0	0	NA	NA	NA	NA	0	7	1	2	3	0	0	0	0
Egypt	NA	17	21	33	44	34	37	30	83	84	133	124	132	111	88
France	1	1	NA	2	1	2	4	3	7	4	3	1	2	0	0
Gabon	15	13	NA	36	24	17	29	27	45	50	48	32	34	21	18
Germany, West	0	4	6	NA	11	7	3	3	5	9	4	12	8	1	0
Ghana	1	1	NA	NA	NA	6	2	2	3	1	2	2	2	0	0
Greece	3	1	1	NA	NA	8	6	6	9	11	0	0	0	0	0
India	1	2	NA	18	36	20	23	34	37	54	81	105	117	118	99
Indonesia	143	144	143	127	92	111	116	75	204	261	315	263	257	166	115
Iran	25	NA	0	36	NA	55	3	3	2	5	5	NA	NA	0	0
Ireland	8	5	6	6	6	21	16	3	8	3	6	6	5	8	3
Italy	24	30	NA	22	27	37	36	34	44	62	51	49	43	36	32
Ivory Coast	1	1	NA	2	12	5	1	9	18	26	7	8	6	10	6
Japan	6	5	NA	2	38	9	5	7	7	10	7	23	12	11	1
Libya	NA	NA	NA	8	NA	0	4	5	6	5	6	3	NA	0	2
Malaysia	NA	NA	8	46	NA	90	73	17	86	110	108	106	112	81	78
Mexico	49	35	23	11	9	12	15	47	46	53	24	28	32	16	16
Netherlands	21	26	31	35	47	37	30	38	40	65	58	55	78	65	40
New Zealand	1	0	3	6	NA	16	2	0	4	0	2	8	5	3	5
Nigeria	17	17	64	52	310	185	25	53	46	89	47	28	25	20	14
Norway	20	36	48	30	33	69	28	36	39	80	62	78	87	72	64
Peru	6	49	39	NA	NA	44	25	53	46	89	47	70	58	38	32
Philippines	4	9	NA	10	15	7	23	12	15	11	1	2	0	0	3
Qatar	0	2	7	NA	3	2	10	3	18	15	8	13	10	1	0
Saudi Arabia	14	NA	57	40	NA	56	30	37	46	84	82	70	65	48	30
Sierra Leone	NA	NA	NA	NA	NA	NA	0	0	0	1	0	0	0	0	0
South Africa	8	1	NA	3	5	5	8	9	15	10	14	11	17	10	8
Spain	0	4	11	25	17	19	17	16	19	21	16	15	14	10	3
Taiwan	7	3	NA	7	8	12	6	11	6	2	5	2	7	9	5
Thailand	5	13	11	17	NA	7	0	24	26	41	96	79	63	15	11
Trinidad	38	45	55	64	42	51	67	46	54	44	42	38	35	20	8
Tunisia	NA	29	12	15	NA	9	16	12	15	17	12	8	10	8	5
United Arab Emirates	2	NA	40	49	56	61	73	88	89	118	110	110	70	48	41
United Kingdom	82	121	136	140	201	158	151	176	209	235	223	182	157	152	138
United States*	915	890	960	951	1,224	1,155	1,115	1,067	1,156	1,134	1,152	1,325	1,104	843	764
U.S.S.R.	100	105	100	96	92	90	92	85	87	85	87	90	86	90	96
Venezuela	267	243	143	NA	275	353	16	14	12	17	17	8	7	3	4
Zaire	6	1	NA	NA	NA	NA	0	3	4	6	6	5	5	3	0
Others	97	85	140	59	13	18	56	11	24	0	32	113	1	2	6
Total World	**2,031**	**2,061**	**2,158**	**2,029**	**2,757**	**3,142**	**2,504**	**2,380**	**2,907**	**3,443**	**3,512**	**3,565**	**3,173**	**2,425**	**2,025**

* U.S. figures are as completed for 1973-1985 from API. 1986-1987 are Offshore estimates of final total.

Data from Oil & Gas Journal Energy Database.
Source: Offshore Magazine, American Petroleum Institute

Notes

Transportation

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Interstate Pipeline Mileage
Miles

	Natural Gas Pipelines	Liquids Pipelines	All Pipelines
1972	246,551	173,532	420,083
1973	248,773	170,691	419,464
1974	246,872	173,341	420,213
1975	255,792	172,680	428,472
1976	254,548	174,072	428,590
1977	256,198	170,948	427,146
1978	258,576	162,452	421,028
1979	264,134	169,794	433,928
1980	274,248	172,673	446,921
1981	274,634	172,815	447,449
1982	286,999	172,549	459,548
1983	285,204	167,819	453,023
1984	258,379	173,922	432,301
1985	279,395	171,401	450,796
1986	281,881	170,014	451,895

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

U.S. Crude and Petroleum Products Transported
Billions of ton miles

Total Crude and Products

	Total Transported	By Pipeline	% of Total	By Water	% of Total	By Motor Carrier	% of Total	By Railroad	% of Total
1973	843.6	507.0	60.1	296.8	35.2	25.0	3.0	14.8	1.8
1974	847.7	506.0	59.7	297.0	35.0	29.0	3.4	15.7	1.9
1975	846.7	507.0	59.9	298.0	35.2	27.6	3.3	14.1	1.7
1976	867.7	515.0	59.4	306.9	35.4	32.5	3.7	13.3	1.5
1977	923.4	546.0	59.1	333.3	36.1	29.6	3.2	14.5	1.6
1978	1,160.2	585.8	50.5	530.6	45.7	30.6	2.6	13.2	1.1
1979	1,174.8	608.3	51.8	522.9	44.5	30.1	2.6	13.5	1.1
1980	1,245.3	588.2	47.2	617.8	49.6	26.8	2.2	12.5	1.0
1981	1,218.4	563.7	46.3	617.2	50.7	24.9	2.0	12.6	1.0
1982	1,218.2	565.7	46.4	616.9	50.6	22.7	1.9	12.9	1.1
1983	1,223.5	556.1	45.5	630.5	51.5	25.1	2.1	11.8	1.0
1984	1,180.2	568.1	48.1	570.7	48.4	29.2	2.5	12.2	1.0
1985	1,195.5	564.3	47.2	590.4	49.4	28.7	2.4	12.1	1.0
1986	1,187.8	577.9	48.7	568.1	47.8	29.7	2.5	12.1	1.0

Crude

	Total Transported	By Pipeline	% of Total	By Water	% of Total	By Motor Carrier	% of Total	By Railroad	% of Total
1973	363.2	302.0	83.1	58.8	16.2	1.3	0.4	1.1	0.3
1974	358.9	303.0	84.4	53.0	14.8	1.3	0.4	1.6	0.4
1975	331.5	288.0	86.9	40.6	12.2	1.4	0.4	1.5	0.5
1976	343.8	303.0	88.1	37.8	11.0	2.1	0.6	0.9	0.3
1977	392.5	326.6	83.2	63.1	16.1	2.0	0.5	0.8	0.2
1978	623.5	359.5	57.7	261.3	41.9	2.0	0.3	0.7	0.1
1979	640.6	372.2	58.1	265.5	41.4	2.3	0.4	0.6	0.1
1980	753.0	362.6	48.2	387.4	51.4	2.5	0.3	0.5	0.1
1981	740.7	333.1	45.0	404.9	54.7	2.2	0.3	0.5	0.1
1982	770.2	335.1	43.5	432.7	56.2	2.0	0.3	0.4	0.1
1983	806.1	332.4	41.2	471.2	58.5	2.0	0.2	0.5	0.1
1984	748.4	333.0	44.5	412.6	55.1	2.2	0.3	0.6	0.1
1985	786.2	334.4	42.5	449.2	57.1	1.8	0.2	0.8	0.1
1986	751.3	335.2	44.6	413.6	55.1	1.7	0.2	0.8	0.1

Petroleum Products

	Total Transported	By Pipeline	% of Total	By Water	% of Total	By Motor Carrier	% of Total	By Railroad	% of Total
1973	480.4	205.0	42.7	238.0	49.5	23.7	4.9	13.7	2.9
1974	488.8	203.0	41.5	244.0	49.9	27.7	5.7	14.1	2.9
1975	515.2	219.0	42.5	257.4	50.0	26.2	5.1	12.6	2.4
1976	523.9	212.0	40.5	269.1	51.4	30.4	5.8	12.4	2.4
1977	530.9	219.4	41.3	270.2	50.9	27.6	5.2	13.7	2.6
1978	536.7	226.3	42.2	269.3	50.2	28.6	5.3	12.5	2.3
1979	534.2	236.1	44.2	257.4	48.2	27.8	5.2	12.9	2.4
1980	492.3	225.6	45.8	230.4	46.8	24.3	4.9	12.0	2.4
1981	477.7	230.6	48.3	212.3	44.4	22.7	4.8	12.1	2.5
1982	448.0	230.6	51.5	184.2	41.1	20.7	4.6	12.5	2.8
1983	417.4	223.7	53.6	159.3	38.2	23.1	5.5	11.3	2.7
1984	431.8	235.1	54.4	158.1	36.6	27.0	6.3	11.6	2.7
1985	409.3	229.9	56.2	141.2	34.5	26.9	6.6	11.3	2.8
1986	436.5	242.7	55.6	154.5	35.4	28.0	6.4	11.3	2.6

Data from Oil & Gas Journal Energy Database.
Source: Association of Oil Pipelines

Pipeline Construction* by Size
Total Non-Communist
Mileage

	4-10" Diameter Pipeline	12-20" Diameter Pipeline	22-30" Diameter Pipeline	Greater than 30" Diameter Pipeline	Total Pipeline Mileage Constructed
1980	9,975	6,940	9,289	9,332	**35,538**
1981	9,492	5,935	6,254	8,627	**30,308**
1982	7,265	6,695	9,512	6,467	**29,939**
1983	6,382	6,213	10,546	4,510	**27,651**
1984	4,460	5,096	6,568	4,978	**21,102**
1985	7,105	5,196	3,153	2,820	**18,274**
1986	6,587	5,800	3,520	3,493	**19,400**
1987	6,071	3,706	3,546	2,610	**15,933**
1988	3,535	1,654	1,900	2,211	**9,300**

* Figures represent estimates of pipeline to be laid during year based on a survey done early in the year. Actual miles of pipe laid may differ.

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Pipeline Construction* By Region and Type
Mileage

GAS PIPELINES	1980	1981	1982	1983	1984	1985	1986	1987	1988
Africa	1,514	1,110	345	160	715	908	1,086	674	244
Asia-Pacific	588	1,568	1,103	3,120	1,638	2,780	4,733	421	626
Canada	621	2,061	2,737	1,971	961	1,929	1,479	997	708
Latin America	3,392	2,088	4,148	2,813	2,592	259	1,521	1,322	1,031
Middle East	160	25	339	299	1,218	573	509	6	9
U.S.	9,272	10,986	11,974	7,770	5,437	2,869	3,163	3,400	2,754
Western Europe	4,859	1,495	1,499	2,240	1,895	2,621	634	3,432	893
Total Non-Communist	**20,406**	**19,333**	**22,145**	**18,373**	**14,456**	**11,939**	**13,125**	**10,252**	**6,265**

CRUDE OIL PIPELINES	1980	1981	1982	1983	1984	1985	1986	1987	1,988
Africa	376	234	1,146	1,220	455	1,413	733	312	299
Asia-Pacific	504	424	571	5	512	21	61	50	57
Canada	1,267	341	271	542	414	696	654	422	121
Latin America	2,455	577	556	590	312	221	955	464	238
Middle East	808	975	214	611	983	905	0	1,419	788
U.S.	1,966	1,441	288	1,505	1,460	472	314	874	580
Western Europe	753	309	0	355	0	280	1,881	41	20
Total Non-Communist	**8,129**	**4,301**	**3,046**	**4,828**	**4,136**	**4,008**	**4,598**	**3,582**	**2,103**

PRODUCTS PIPELINES	1980	1981	1982	1983	1984	1985	1986	1987	1,988
Africa	0	317	504	467	2	0	37	0	3
Asia-Pacific	287	923	1,204	46	122	117	90	142	0
Canada	279	282	401	94	136	316	305	145	0
Latin America	1,685	837	801	2,003	480	480	288	460	360
Middle East	1,137	1,054	35	29	371	314	0	406	0
U.S.	3,457	3,191	1,511	1,811	1,234	1,052	939	946	553
Western Europe	156	70	29[illegible]	0	165	48	18	0	16
Total Non-Communist	**7,001**	**6,674**	**4,748**	**4,450**	**2,510**	**2,327**	**1,677**	**2,099**	**932**

* Figures are estimated miles of pipeline to be laid during the year based on a survey taken at the beginning of the year. Actual miles of pipe laid may differ from these figures.

Data from Oil & Gas Journal Energy Database
Source: Oil & Gas Journal

World Tanker Fleet by Size
Millions of deadweight tons

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
10-25,000	17.5	16.1	14.8	14.2	14.1	13.8	13.5	13.0	12.8	12.3	12.4
25-45,000	27.3	26.6	24.6	24.2	24.6	26.0	27.2	27.4	26.3	25.8	26.3
45-65,000	19.9	18.2	16.1	15.3	16.1	16.6	16.1	15.3	15.7	15.0	14.2
65-125,000	54.4	54.2	50.8	51.2	52.5	55.4	51.8	48.4	46.2	44.4	46.6
125-200,000	28.7	32.3	33.3	33.4	33.0	31.2	30.2	28.8	28.9	28.4	27.5
200-320,000	144.8	156.6	157.4	157.7	155.4	146.5	134.5	120.4	111.6	94.9	90.6
320,000 & Over	28.1	28.5	31.5	31.9	29.1	30.7	30.4	29.9	28.2	26.0	23.4
Total World	**320.7**	**332.5**	**328.5**	**327.9**	**324.8**	**320.2**	**303.7**	**283.2**	**269.7**	**246.8**	**241.0**

Data from Oil & Gas Journal Energy Database.
Source: British Petroleum

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Energy Consumption and Efficiency

	GNP, Billion 1982 $	Energy Consumption Trillion BTU	Energy Consumption per GNP $, 1,000 BTU	Oil Consumption Trillion BTU	Oil Consumption per GNP $, 1,000 BTU
1929	711.8	23,756	33.4	5,521	7.8
1933	501.6	16,900	33.7	4,833	9.6
1940	775.0	23,569	30.4	7,407	9.6
1946	1,077.8	30,494	28.3	10,002	9.3
1950	1,206.6	33,992	28.2	13,489	11.2
1955	1,494.9	39,703	26.6	17,524	11.7
1960	1,665.3	44,569	26.8	20,067	12.1
1965	2,087.6	53,343	25.6	23,242	11.1
1970	2,416.2	67,143	27.8	29,537	12.2
1971	2,484.8	68,348	27.5	30,570	12.3
1972	2,608.5	71,643	27.5	32,966	12.6
1973	2,744.1	74,282	27.1	34,840	12.7
1974	2,729.3	72,543	26.6	33,455	12.3
1975	2,695.0	70,546	26.2	32,731	12.1
1976	2,826.7	74,362	26.3	35,175	12.4
1977	2,958.6	76,289	25.8	37,122	12.5
1978	3,115.2	78,088	25.1	37,965	12.2
1979	3,192.4	78,898	24.7	37,123	11.6
1980	3,187.1	75,952	23.8	34,202	10.7
1981	3,248.8	73,989	22.8	31,931	9.8
1982	3,166.0	70,840	22.4	30,232	9.5
1983	3,279.1	70,497	21.5	30,054	9.2
1984	3,501.4	74,060	21.2	31,051	8.9
1985	3,607.5	73,944	20.5	30,922	8.6
1986	3,713.3	74,260	20.0	32,196	9.7
1987	3,821.1	76,042	19.9	32,627	8.5
Rates of change, %					
1929-40	8.9	-0.7	-9.0	34.2	23.1
1940-50	55.7	44.1	-7.2	82.1	16.7
1950-70	100.2	97.5	-1.4	119.0	8.9
1970-87	58.1	13.3	-28.4	10.5	-30.3

Data from Oil & Gas Journal Energy Database.
Source: Department of Commerce, Energy Information Administration,
Oil & Gas Journal

Total U.S. Energy Production by Source
Quadrillion BTU's

	Coal	Petroleum	Natural Gas Liquids	Natural Gas	Hydro-electric	Nuclear Electric	Geo-thermal	Wood & Waste	Total Production
1949	11.97	10.68	0.71	5.38	1.42	0.00	0.00	0.00	**30.18**
1950	14.06	11.45	0.82	6.23	1.42	0.00	0.00	0.00	**33.98**
1951	14.42	13.04	0.92	7.42	1.42	0.00	0.00	0.00	**37.22**
1952	12.74	13.28	1.00	7.96	1.47	0.00	0.00	0.00	**36.46**
1953	12.29	13.67	1.06	8.34	1.41	0.00	0.00	0.00	**36.78**
1954	10.55	13.43	1.11	8.68	1.36	0.00	0.00	0.00	**35.14**
1955	12.38	14.41	1.24	9.34	1.36	0.00	0.00	0.00	**38.74**
1956	13.32	15.18	1.28	10.00	1.43	0.00	0.00	0.00	**41.22**
1957	13.07	15.18	1.29	10.61	1.52	0.00	0.00	0.00	**41.68**
1958	10.79	14.20	1.29	10.94	1.59	0.00	0.00	0.00	**38.82**
1959	10.79	14.93	1.38	11.95	1.55	0.00	0.00	0.00	**40.61**
1960	10.83	14.93	1.46	12.66	1.61	0.01	0.00	0.00	**41.50**
1961	10.46	15.21	1.55	13.10	1.66	0.02	0.00	0.00	**42.00**
1962	10.91	15.52	1.59	13.72	1.82	0.03	0.00	0.00	**43.59**
1963	11.86	15.97	1.71	14.51	1.77	0.04	0.00	0.00	**45.86**
1964	12.53	16.16	1.80	15.30	1.89	0.04	0.00	0.00	**47.73**
1965	13.07	16.52	1.88	15.78	2.06	0.04	0.00	0.00	**49.35**
1966	13.48	17.56	2.00	17.01	2.06	0.06	0.00	0.00	**52.18**
1967	13.84	18.65	2.18	17.94	2.35	0.09	0.01	0.00	**55.05**
1968	13.62	19.31	2.32	19.07	2.35	0.14	0.01	0.00	**56.82**
1969	13.87	19.56	2.42	20.45	2.65	0.15	0.01	0.00	**59.11**
1970	14.61	20.40	2.51	21.67	2.63	0.24	0.01	0.00	**62.08**
1971	13.20	20.03	2.54	22.28	2.82	0.41	0.01	0.00	**61.31**
1972	14.09	20.04	2.60	22.21	2.86	0.58	0.03	0.00	**62.42**
1973	13.99	19.49	2.57	22.19	2.86	0.91	0.04	0.00	**62.06**
1974	14.07	18.57	2.47	21.21	3.18	1.27	0.05	0.00	**60.83**
1975	14.99	17.73	2.37	19.64	3.15	1.90	0.07	0.00	**59.86**
1976	15.65	17.26	2.33	19.48	2.98	2.11	0.08	0.00	**59.89**
1977	15.76	17.45	2.33	19.57	2.33	2.70	0.08	0.01	**60.22**
1978	14.91	18.43	2.25	19.49	2.94	3.02	0.06	0.00	**61.10**
1979	17.54	18.10	2.29	20.08	2.93	2.71	0.08	0.01	**63.80**
1980	18.60	18.25	2.25	19.92	2.90	2.74	0.11	0.00	**64.76**
1981	18.38	18.15	2.31	19.70	2.76	3.01	0.12	0.00	**64.42**
1982	18.64	18.31	2.19	18.25	3.26	3.13	0.10	0.00	**63.89**
1983	17.25	18.39	2.18	16.53	3.50	3.20	0.13	0.00	**61.19**
1984	19.72	18.85	2.27	17.93	3.36	3.55	0.16	0.01	**65.81**
1985	19.33	18.99	2.24	16.91	2.94	4.15	0.20	0.01	**64.76**
1986	19.51	18.38	2.15	16.47	3.03	4.48	0.22	0.01	**64.25**
1987	20.12	17.59	2.23	16.82	2.61	4.92	0.23	0.02	**64.54**

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Total U.S. Energy Production by Source
Quadrillion BTU's

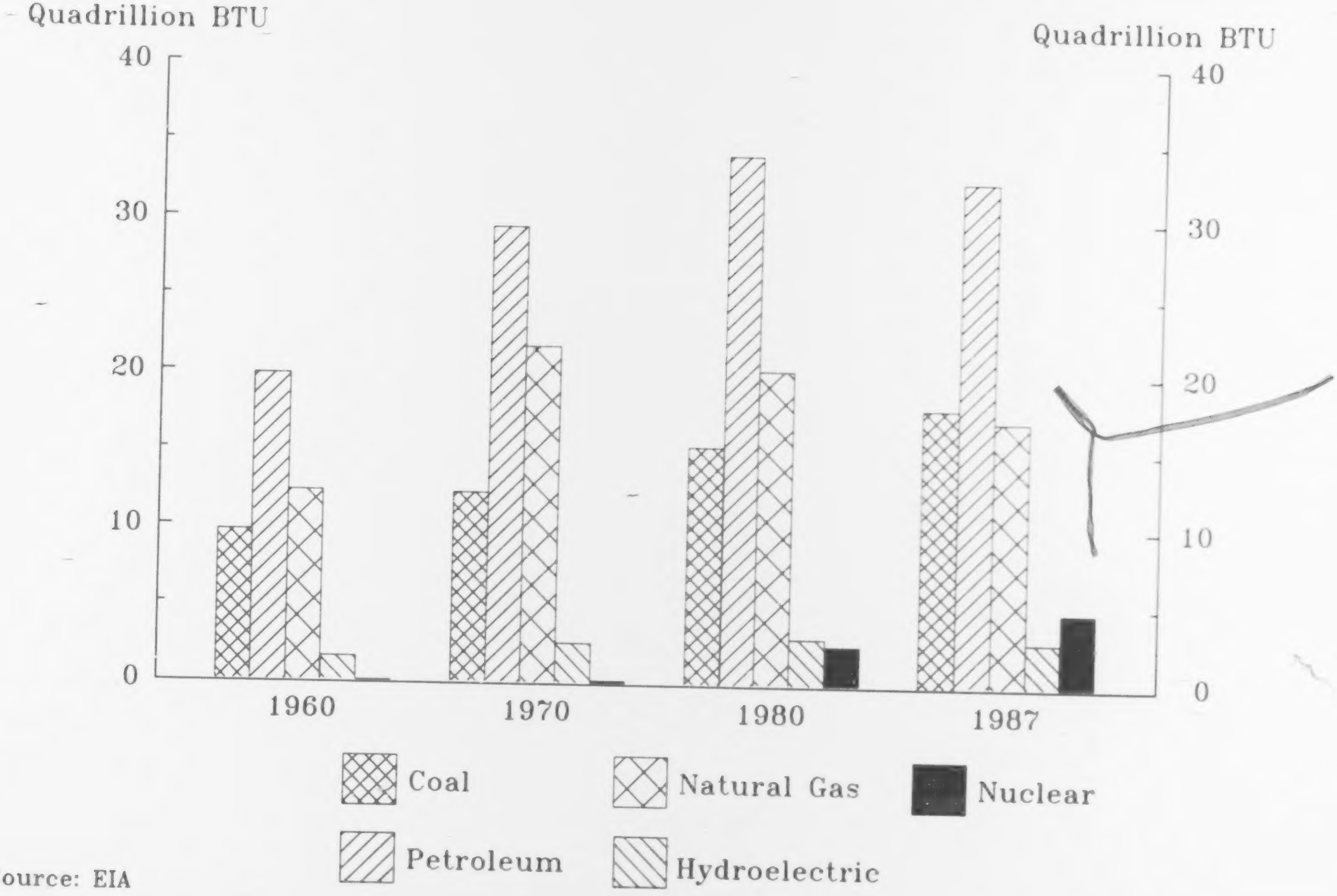
	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1978													
Coal	0.54	0.55	0.90	1.38	1.59	1.52	1.24	1.49	1.34	1.61	1.60	1.38	**15.14**
Crude Oil	1.50	1.36	1.58	1.51	1.58	1.53	1.57	1.58	1.53	1.59	1.52	1.55	**18.40**
Natural Gas Liquids	0.19	0.17	0.19	0.19	0.19	0.19	0.19	0.19	0.18	0.19	0.19	0.19	**2.25**
Natural Gas	1.71	1.59	1.68	1.60	1.60	1.56	1.63	1.59	1.51	1.57	1.54	1.64	**19.22**
Hydroelectric	0.26	0.24	0.26	0.27	0.30	0.26	0.26	0.23	0.22	0.21	0.21	0.23	**2.95**
Nuclear Electric	0.28	0.23	0.24	0.19	0.22	0.24	0.27	0.28	0.24	0.25	0.27	0.27	**2.98**
Other Energy	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.01	0.01	**0.06**
Total Production	**4.49**	**4.14**	**4.88**	**5.15**	**5.48**	**5.31**	**5.17**	**5.36**	**5.02**	**5.42**	**5.33**	**5.28**	**61.01**
1979													
Coal	1.30	1.23	1.50	1.43	1.56	1.59	1.20	1.61	1.45	1.76	1.54	1.36	**17.53**
Crude Oil	1.52	1.38	1.54	1.48	1.54	1.56	1.50	1.56	1.47	1.54	1.50	1.54	**18.13**
Natural Gas Liquids	0.19	0.17	0.19	0.19	0.19	0.18	0.19	0.19	0.18	0.20	0.20	0.20	**2.27**
Natural Gas	1.72	1.61	1.71	1.64	1.67	1.61	1.61	1.64	1.59	1.65	1.67	1.76	**19.88**
Hydroelectric	0.26	0.22	0.27	0.27	0.30	0.26	0.24	0.22	0.20	0.21	0.24	0.24	**2.93**
Nuclear Electric	0.30	0.28	0.26	0.20	0.16	0.17	0.22	0.26	0.23	0.22	0.21	0.22	**2.73**
Other Energy	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	**0.12**
Total Production	**5.29**	**4.90**	**5.48**	**5.22**	**5.44**	**5.28**	**4.98**	**5.50**	**5.14**	**4.80**	**5.36**	**5.34**	**62.53**
1980													
Coal	1.57	1.48	1.50	1.57	1.30	1.61	1.38	1.55	1.55	1.63	1.55	1.63	**18.32**
Crude Oil	1.55	1.46	1.57	1.51	1.55	1.49	1.54	1.51	1.50	1.53	1.48	1.55	**18.24**
Natural Gas Liquids	0.20	0.19	0.19	0.19	0.19	0.18	0.19	0.19	0.18	0.18	0.19	0.19	**2.26**
Natural Gas	1.78	1.67	1.79	1.63	1.66	1.55	1.58	1.54	1.55	1.62	1.62	1.76	**19.75**
Hydroelectric	0.27	0.23	0.26	0.27	0.30	0.29	0.26	0.22	0.19	0.19	0.20	0.23	**2.91**
Nuclear Electric	0.21	0.21	0.22	0.20	0.20	0.20	0.23	0.26	0.25	0.26	0.23	0.24	**2.71**
Other Energy	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	**0.12**
Total Production	**5.60**	**5.25**	**5.63**	**5.40**	**5.52**	**5.34**	**5.18**	**5.28**	**5.24**	**5.43**	**5.27**	**5.61**	**64.75**
1981													
Coal	1.47	1.58	1.74	0.81	0.85	1.37	1.65	1.75	1.82	1.90	1.70	1.70	**18.34**
Crude Oil	1.53	1.40	1.55	1.47	1.53	1.50	1.53	1.54	1.50	1.54	1.49	1.54	**18.12**
Natural Gas Liquids	0.20	0.18	0.20	0.19	0.19	0.19	0.19	0.20	0.19	0.19	0.19	0.19	**2.30**
Natural Gas	1.73	1.55	1.71	1.65	1.68	1.61	1.64	1.68	1.56	1.62	1.58	1.70	**19.71**
Hydroelectric	0.24	0.22	0.22	0.22	0.25	0.28	0.27	0.23	0.19	0.19	0.20	0.25	**2.76**
Nuclear Electric	0.26	0.24	0.24	0.23	0.22	0.23	0.25	0.30	0.27	0.23	0.25	0.29	**3.01**
Other Energy	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	**0.12**
Total Production	**5.44**	**5.18**	**5.67**	**4.59**	**4.73**	**5.19**	**5.54**	**5.71**	**5.53**	**5.68**	**5.41**	**5.68**	**64.35**
1982													
Coal	1.49	1.58	1.87	1.64	1.58	1.59	1.35	1.62	1.51	1.58	1.42	1.40	**18.63**
Crude Oil	1.53	1.41	1.56	1.50	1.56	1.50	1.56	1.55	1.51	1.56	1.51	1.55	**18.30**
Natural Gas Liquids	0.19	0.17	0.19	0.18	0.18	0.17	0.18	0.18	0.18	0.18	0.19	0.19	**2.18**
Natural Gas	1.70	1.56	1.65	1.56	1.53	1.48	1.50	1.47	1.41	1.44	1.45	1.49	**18.24**
Hydroelectric	0.28	0.28	0.31	0.29	0.29	0.29	0.29	0.25	0.21	0.21	0.24	0.29	**3.23**
Nuclear Electric	0.28	0.22	0.25	0.24	0.24	0.27	0.28	0.28	0.28	0.26	0.26	0.27	**3.13**
Other Energy	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	**0.12**
Total Production	**5.49**	**5.24**	**5.84**	**5.41**	**5.40**	**5.33**	**5.17**	**5.37**	**5.11**	**5.24**	**5.09**	**5.20**	**63.89**

Total U.S. Energy Production by Source
Quadrillion BTU's

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1983													
Coal	1.38	1.34	1.52	1.36	1.39	1.36	1.22	1.62	1.55	1.58	1.51	1.40	**17.23**
Crude Oil	1.56	1.42	1.56	1.53	1.55	1.51	1.55	1.56	1.53	1.58	1.53	1.51	**18.39**
Natural Gas Liquids	0.19	0.17	0.18	0.17	0.18	0.17	0.18	0.19	0.18	0.19	0.19	0.18	**2.17**
Natural Gas	1.51	1.33	1.38	1.30	1.30	1.25	1.32	1.38	1.34	1.41	1.43	1.58	**16.53**
Hydroelectric	0.31	0.29	0.32	0.32	0.33	0.32	0.30	0.27	0.23	0.22	0.26	0.33	**3.50**
Nuclear Electric	0.27	0.24	0.26	0.24	0.24	0.26	0.28	0.29	0.27	0.28	0.27	0.29	**3.19**
Other Energy	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	**0.12**
Total Production	**5.24**	**4.80**	**5.23**	**4.93**	**5.01**	**4.89**	**4.87**	**5.31**	**5.12**	**5.28**	**5.21**	**5.31**	**61.20**
1984													
Coal	1.50	1.62	1.80	1.60	1.79	1.68	1.65	2.00	1.74	1.54	1.42	1.41	**19.75**
Crude Oil	1.59	1.49	1.56	1.54	1.61	1.54	1.60	1.58	1.57	1.60	1.56	1.60	**18.84**
Natural Gas Liquids	0.19	0.18	0.19	0.19	0.19	0.18	0.19	0.19	0.19	0.20	0.19	0.20	**2.28**
Natural Gas	1.70	1.47	1.52	1.48	1.48	1.43	1.48	1.46	1.39	1.47	1.46	1.59	**17.93**
Hydroelectric	0.31	0.29	0.31	0.31	0.33	0.30	0.28	0.26	0.22	0.22	0.23	0.27	**3.33**
Nuclear Electric	0.32	0.31	0.30	0.26	0.28	0.27	0.31	0.32	0.32	0.27	0.27	0.34	**3.57**
Other Energy	0.01	0.01	0.02	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	**0.18**
Total Production	**5.61**	**5.38**	**5.68**	**5.40**	**5.69**	**5.42**	**5.53**	**5.84**	**5.43**	**5.30**	**5.15**	**5.41**	**65.84**
1985													
Coal	1.49	1.47	1.70	1.67	1.72	1.60	1.51	1.74	1.62	1.75	1.52	1.53	**19.32**
Crude Oil	1.57	1.47	1.64	1.57	1.64	1.57	1.61	1.58	1.56	1.61	1.55	1.62	**18.99**
Natural Gas Liquids	0.19	0.17	0.19	0.18	0.19	0.18	0.19	0.19	0.18	0.19	0.19	0.20	**2.24**
Natural Gas	1.61	1.46	1.46	1.37	1.36	1.31	1.35	1.34	1.32	1.37	1.38	1.59	**16.92**
Hydroelectric	0.29	0.27	0.26	0.26	0.28	0.25	0.22	0.21	0.20	0.21	0.24	0.27	**2.96**
Nuclear Electric	0.39	0.33	0.34	0.29	0.31	0.33	0.38	0.38	0.37	0.34	0.33	0.37	**4.16**
Other Energy	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	**0.22**
Total Production	**5.56**	**5.19**	**5.60**	**5.36**	**5.51**	**5.27**	**5.28**	**5.46**	**5.26**	**5.49**	**5.22**	**5.59**	**64.79**
1986													
Coal	1.71	1.59	1.70	1.64	1.60	1.59	1.48	1.67	1.64	1.75	1.54	1.61	**19.52**
Crude Oil	1.64	1.49	1.62	1.54	1.59	1.50	1.56	1.51	1.45	1.51	1.46	1.50	**18.37**
Natural Gas Liquids	0.20	0.18	0.19	0.17	0.18	0.17	0.18	0.17	0.17	0.17	0.18	0.19	**2.15**
Natural Gas	1.58	1.37	1.46	1.31	1.33	1.28	1.32	1.32	1.25	1.33	1.41	1.52	**16.48**
Hydroelectric	0.22	0.24	0.30	0.29	0.28	0.27	0.25	0.22	0.22	0.22	0.24	0.27	**3.02**
Nuclear Electric	0.39	0.35	0.33	0.33	0.35	0.34	0.39	0.41	0.40	0.39	0.38	0.43	**4.49**
Other Energy	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	**0.24**
Total Production	**5.78**	**5.25**	**5.61**	**5.30**	**5.35**	**5.17**	**5.19**	**5.31**	**5.14**	**5.40**	**5.22**	**5.53**	**64.25**
1987													
Coal	1.64	1.57	1.66	1.56	1.55	1.69	1.53	1.77	1.81	1.88	1.73	1.75	**20.14**
Crude Oil	1.52	1.35	1.50	1.47	1.49	1.44	1.48	1.47	1.43	1.49	1.45	1.50	**17.59**
Natural Gas Liquids	0.19	0.17	0.19	0.18	0.19	0.18	0.19	0.19	0.18	0.19	0.19	0.19	**2.23**
Natural Gas	1.55	1.39	1.47	1.38	1.36	1.31	1.34	1.36	1.30	1.38	1.44	1.57	**16.85**
Hydroelectric	0.27	0.22	0.24	0.23	0.25	0.22	0.21	0.19	0.19	0.19	0.18	0.22	**2.61**
Nuclear Electric	0.43	0.40	0.40	0.36	0.37	0.40	0.43	0.45	0.43	0.39	0.41	0.45	**4.92**
Other Energy	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	**0.24**
Total Production	**5.61**	**5.12**	**5.49**	**5.19**	**5.23**	**5.25**	**5.20**	**5.45**	**5.35**	**5.54**	**5.41**	**5.70**	**64.54**

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

U.S. Energy Consumption By Type



Source: EIA

Total U.S. Energy Consumption by Source
Quadrillion BTU's

	Coal	Petroleum	Natural Gas	Hydro-electric	Nuclear Electric	Geo-thermal	Other	Total Consumption
1949	11.98	11.88	5.15	1.45	0.00	0.00	NA	**30.46**
1950	12.35	13.32	5.97	1.44	0.00	0.00	0.01	**33.08**
1951	12.55	14.43	7.05	1.45	0.00	0.00	-0.02	**35.47**
1952	11.31	14.96	7.55	1.50	0.00	0.00	-0.01	**35.30**
1953	11.37	15.56	7.91	1.44	0.00	0.00	0.00	**26.27**
1954	9.71	15.84	8.33	1.39	0.00	0.00	0.00	**35.27**
1955	11.17	17.25	9.00	1.41	0.00	0.00	-0.01	**38.82**
1956	11.35	17.94	9.61	1.49	0.00	0.00	-0.01	**40.38**
1957	10.82	17.93	10.19	1.56	0.00	0.00	-0.02	**40.48**
1958	9.53	18.53	10.66	1.63	0.00	0.00	0.00	**40.35**
1959	9.52	19.32	11.72	1.59	0.00	0.00	-0.01	**42.14**
1960	9.84	19.92	12.39	1.66	0.01	0.00	0.00	**43.80**
1961	9.62	20.22	12.93	1.68	0.02	0.00	-0.01	**44.46**
1962	9.91	21.05	13.73	1.82	0.03	0.00	0.00	**46.53**
1963	10.41	21.70	14.40	1.77	0.04	0.00	-0.01	**48.32**
1964	10.96	22.30	15.29	1.91	0.04	0.00	-0.01	**50.50**
1965	11.58	23.25	15.77	2.06	0.04	0.00	-0.02	**52.68**
1966	12.14	24.40	17.00	2.07	0.06	0.00	-0.02	**55.66**
1967	11.91	25.28	17.94	2.34	0.09	0.01	-0.01	**57.57**
1968	12.33	26.98	19.21	2.34	0.14	0.01	-0.01	**61.00**
1969	12.38	28.34	20.68	2.66	0.15	0.01	-0.03	**64.19**
1970	12.26	29.52	21.79	2.65	0.24	0.01	-0.05	**66.43**
1971	11.60	30.56	22.47	2.86	0.41	0.01	-0.03	**67.89**
1972	12.08	32.95	22.70	2.94	0.58	0.03	-0.02	**71.26**
1973	12.97	34.84	22.51	3.01	0.91	0.04	0.00	**74.28**
1974	12.66	33.45	21.73	3.31	1.27	0.05	0.06	**72.54**
1975	12.66	32.73	19.95	3.22	1.90	0.07	0.02	**70.55**
1976	13.58	35.17	20.35	3.07	2.11	0.08	0.00	**74.36**
1977	13.92	37.12	19.93	2.51	2.70	0.08	0.02	**76.29**
1978	13.76	37.97	20.00	3.14	3.02	0.06	0.13	**78.09**
1979	15.04	37.12	20.67	3.14	2.71	0.08	0.07	**78.90**
1980	15.42	34.20	20.39	3.12	2.74	0.11	-0.03	**75.96**
1981	15.91	31.93	19.93	3.11	3.01	0.12	-0.01	**73.99**
1982	15.32	30.23	18.51	3.56	3.13	0.10	-0.02	**70.84**
1983	15.90	30.05	17.36	3.87	3.20	0.13	-0.01	**70.50**
1984	17.07	31.05	18.51	3.72	3.55	0.16	0.00	**74.06**
1985	17.48	30.92	17.83	3.36	4.15	0.20	0.00	**73.94**
1986	17.26	32.20	16.71	3.41	4.48	0.22	0.00	**74.26**
1987	18.02	32.63	17.18	3.04	4.92	0.23	0.02	**76.04**

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Total U.S. Energy Consumption by Type
Quadrillion BTU's

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1978													
Coal	1.24	1.05	1.00	1.04	1.11	1.18	1.26	1.30	1.23	1.19	1.19	1.29	**14.08**
Petroleum	3.37	3.23	3.36	2.94	3.11	3.03	3.02	3.19	2.97	3.15	3.18	3.41	**37.96**
Natural Gas	2.43	2.16	1.93	1.54	1.38	1.25	1.33	1.28	1.25	1.46	1.68	2.10	**19.79**
Hydroelectric	0.28	0.25	0.28	0.28	0.32	0.28	0.27	0.25	0.24	0.22	0.23	0.25	**3.15**
Nuclear Electric	0.28	0.23	0.24	0.19	0.22	0.24	0.27	0.28	0.24	0.25	0.27	0.27	**2.98**
Other Energy	0.01	0.01	0.01	0.02	0.03	0.01	0.02	0.02	0.02	0.02	0.02	0.02	**0.21**
Net Coal Coke Imports	0.00	0.00	0.00	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	**0.10**
Total Consumption	**7.61**	**6.93**	**6.82**	**6.01**	**6.18**	**5.99**	**6.18**	**6.31**	**5.94**	**6.29**	**6.56**	**7.34**	**78.14**
1979													
Coal	1.35	1.21	1.21	1.14	1.20	1.24	1.34	1.34	1.20	1.23	1.24	1.36	**15.06**
Petroleum	3.52	3.29	3.30	2.89	3.05	2.94	2.93	3.12	2.89	3.11	3.04	3.22	**37.30**
Natural Gas	2.46	2.24	1.91	1.62	1.45	1.34	1.35	1.36	1.35	1.58	1.79	2.10	**20.55**
Hydroelectric	0.28	0.24	0.29	0.28	0.32	0.28	0.26	0.24	0.22	0.23	0.25	0.26	**3.15**
Nuclear Electric	0.30	0.28	0.26	0.20	0.16	0.17	0.22	0.26	0.23	0.22	0.21	0.22	**2.73**
Other Energy	0.01	0.01	0.01	0.01	0.02	0.02	0.01	0.02	0.01	0.01	0.01	0.01	**0.15**
Net Coal Coke Imports	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	**0.05**
Total Consumption	**7.93**	**7.26**	**6.99**	**6.14**	**6.20**	**5.99**	**6.11**	**6.34**	**5.90**	**6.39**	**6.54**	**7.18**	**78.95**
1980													
Coal	1.41	1.32	1.31	1.17	1.17	1.25	1.40	1.39	1.27	1.24	1.26	1.41	**15.60**
Petroleum	3.18	3.00	2.96	2.76	2.75	2.67	2.72	2.68	2.73	2.88	2.75	3.13	**34.21**
Natural Gas	2.33	2.24	2.14	1.60	1.38	1.28	1.33	1.27	1.33	1.57	1.82	2.20	**20.49**
Hydroelectric	0.28	0.24	0.27	0.29	0.32	0.31	0.28	0.23	0.21	0.21	0.22	0.25	**3.11**
Nuclear Electric	0.21	0.21	0.22	0.20	0.20	0.20	0.23	0.26	0.25	0.26	0.23	0.24	**2.71**
Other Energy	0.01	0.01	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.01	0.01	**0.07**
Net Coal Coke Imports	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	**-0.02**
Total Consumption	**7.42**	**7.02**	**6.91**	**6.02**	**5.83**	**5.71**	**5.96**	**5.85**	**5.80**	**6.17**	**6.29**	**7.23**	**76.21**
1981													
Coal	1.47	1.30	1.31	1.19	1.20	1.30	1.47	1.44	1.30	1.29	1.28	1.42	**15.97**
Petroleum	3.11	2.59	2.69	2.51	2.59	2.63	2.65	2.58	2.56	2.67	2.55	2.80	**31.93**
Natural Gas	2.34	1.94	1.95	1.53	1.46	1.34	1.35	1.35	1.30	1.56	1.66	2.13	**19.91**
Hydroelectric	0.26	0.25	0.24	0.24	0.28	0.30	0.29	0.25	0.21	0.22	0.23	0.28	**3.05**
Nuclear Electric	0.26	0.24	0.24	0.22	0.21	0.23	0.25	0.29	0.27	0.22	0.25	0.28	**2.96**
Other Energy	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	**0.12**
Net Coal Coke Imports	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Total Consumption	**7.46**	**6.33**	**6.44**	**5.71**	**5.76**	**5.82**	**6.02**	**5.92**	**5.65**	**5.97**	**5.97**	**6.92**	**73.97**
1982													
Coal	1.49	1.29	1.26	1.15	1.19	1.21	1.38	1.38	1.23	1.19	1.23	1.30	**15.30**
Petroleum	2.72	2.44	2.63	2.62	2.51	2.45	2.50	2.51	2.45	2.51	2.45	2.62	**30.41**
Natural Gas	2.43	2.01	1.86	1.51	1.17	1.14	1.18	1.18	1.17	1.33	1.58	1.76	**18.32**
Hydroelectric	0.31	0.30	0.33	0.31	0.32	0.31	0.31	0.28	0.24	0.24	0.28	0.32	**3.55**
Nuclear Electric	0.28	0.22	0.25	0.24	0.24	0.27	0.28	0.28	0.28	0.26	0.26	0.27	**3.13**
Other Energy	0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	**0.11**
Net Coal Coke Imports	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Total Consumption	**7.26**	**6.29**	**6.36**	**5.85**	**5.41**	**5.37**	**5.64**	**5.62**	**5.37**	**5.54**	**5.82**	**6.29**	**70.82**

Total U.S. Energy Consumption by Type
Quadrillion BTU's

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1983													
Coal	1.36	1.18	1.20	1.14	1.17	1.26	1.50	1.57	1.37	1.30	1.32	1.52	**15.89**
Petroleum	2.47	2.24	2.60	2.38	2.43	2.48	2.52	2.59	2.51	2.51	2.51	2.80	**30.04**
Natural Gas	2.04	1.69	1.64	1.42	1.15	1.00	1.07	1.15	1.10	1.28	1.55	2.26	**17.35**
Hydroelectric	0.34	0.32	0.35	0.34	0.35	0.35	0.33	0.31	0.27	0.26	0.29	0.37	**3.88**
Nuclear Electric	0.27	0.24	0.26	0.24	0.24	0.26	0.28	0.29	0.27	0.28	0.27	0.29	**3.19**
Other Energy	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	**0.12**
Net Coal Coke Imports	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Total Consumption	**6.48**	**5.68**	**6.06**	**5.53**	**5.35**	**5.36**	**5.70**	**5.92**	**5.54**	**5.65**	**5.97**	**7.25**	**70.49**
1984													
Coal	1.55	1.36	1.40	1.27	1.30	1.44	1.52	1.59	1.38	1.40	1.39	1.47	**17.07**
Petroleum	2.81	2.42	2.68	2.52	2.61	2.54	2.59	2.70	2.47	2.61	2.53	2.57	**31.05**
Natural Gas	2.41	2.02	1.90	1.65	1.39	1.21	1.19	1.19	1.12	1.22	1.44	1.79	**18.53**
Hydroelectric	0.34	0.32	0.34	0.34	0.36	0.33	0.32	0.30	0.25	0.26	0.26	0.30	**3.72**
Nuclear Electric	0.32	0.31	0.30	0.26	0.28	0.27	0.31	0.32	0.32	0.27	0.27	0.34	**3.57**
Other Energy	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	**0.14**
Net Coal Coke Imports	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Total Consumption	**7.44**	**6.43**	**6.64**	**6.06**	**5.95**	**5.81**	**5.94**	**6.11**	**5.55**	**5.76**	**5.90**	**6.48**	**74.07**
1985													
Coal	1.60	1.41	1.39	1.32	1.39	1.43	1.59	1.56	1.43	1.39	1.39	1.60	**17.50**
Petroleum	2.69	2.43	2.57	2.50	2.59	2.50	2.58	2.68	2.44	2.66	2.50	2.77	**30.91**
Natural Gas	2.17	2.22	1.78	1.50	1.19	1.11	1.16	1.16	1.08	1.19	1.36	1.97	**17.89**
Hydroelectric	0.32	0.30	0.30	0.29	0.31	0.29	0.27	0.26	0.23	0.25	0.27	0.30	**3.39**
Nuclear Electric	0.39	0.33	0.34	0.29	0.31	0.33	0.38	0.38	0.37	0.34	0.33	0.37	**4.16**
Other Energy	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	**0.20**
Net Coal Coke Imports	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Total Consumption	**7.19**	**6.70**	**6.38**	**5.90**	**5.79**	**5.68**	**5.98**	**6.05**	**5.56**	**5.84**	**5.87**	**7.03**	**73.97**
1986													
Coal	1.63	1.42	1.39	1.27	1.32	1.46	1.65	1.52	1.40	1.36	1.37	1.50	**17.27**
Petroleum	2.70	2.46	2.73	2.59	2.69	2.61	2.74	2.79	2.59	2.79	2.64	2.88	**31.91**
Natural Gas	2.17	1.90	1.75	1.37	1.20	1.07	1.07	1.04	0.99	1.07	1.31	1.76	**16.54**
Hydroelectric	0.26	0.27	0.32	0.31	0.31	0.30	0.28	0.26	0.26	0.25	0.27	0.30	**3.39**
Nuclear Electric	0.39	0.35	0.33	0.33	0.35	0.34	0.39	0.41	0.40	0.39	0.38	0.43	**4.49**
Other Energy	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.02	**0.23**
Net Coal Coke Imports	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	**-0.01**
Total Consumption	**7.18**	**6.42**	**6.55**	**5.89**	**5.88**	**5.80**	**6.15**	**6.02**	**5.64**	**5.88**	**5.98**	**6.89**	**73.88**
1987													
Coal	1.56	1.36	1.37	1.32	1.42	1.56	1.73	1.72	1.48	1.45	1.44	1.60	**18.01**
Petroleum	2.74	2.53	2.67	2.67	2.67	2.72	2.84	2.73	2.68	2.83	2.60	2.93	**32.61**
Natural Gas	2.06	1.87	1.72	1.43	1.19	1.10	1.10	1.14	1.06	1.23	1.44	1.85	**17.19**
Hydroelectric	0.30	0.27	0.29	0.27	0.29	0.26	0.25	0.23	0.22	0.22	0.20	0.25	**3.05**
Nuclear Electric	0.43	0.40	0.40	0.36	0.37	0.40	0.43	0.45	0.43	0.39	0.41	0.45	**4.92**
Other Energy	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	**0.24**
Net Coal Coke Imports	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Total Consumption	**7.12**	**6.44**	**6.48**	**6.08**	**5.96**	**6.05**	**6.39**	**6.29**	**5.89**	**6.15**	**6.10**	**7.10**	**76.05**

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Total U.S. Energy Consumption by Sector
Quadrillion BTU's

	Residential and Commercial	Industrial	Transportation	Total All Sectors*	Electric Utilities
1949	8.21	14.26	7.99	30.46	4.36
1950	8.87	15.7	8.49	33.08	4.70
1951	9.30	17..3	9.04	35.47	5.09
1952	9.54	16.76	9.00	35.30	5.36
1953	9.50	17.65	9.12	36.27	5.75
1954	9.78	16.58	8.90	35.27	5.80
1955	10.41	18.86	9.55	38.82	6.50
1956	10.96	19.55	9.86	40.38	6.98
1957	10.98	19.60	9.90	40.48	7.26
1958	11.64	18.70	10.00	40.35	7.22
1959	12.15	19.64	10.35	42.14	7.82
1960	13.04	20.16	10.60	43.80	8.19
1961	13.44	20.25	10.77	44.46	8.47
1962	14.27	21.05	11.22	46.53	9.03
1963	14.71	21.96	11.65	48.32	9.63
1964	15.23	23.27	11.99	50.50	10.33
1965	16.03	24.23	12.42	52.68	11.01
1966	17.06	25.51	13.09	55.55	11.99
1967	18.10	25.74	13.73	57.57	12.70
1968	19.23	26.92	14.84	61.00	13.88
1969	20.59	28.12	15.48	64.19	15.18
1970	21.71	28.65	16.07	66.43	16.27
1971	22.59	28.59	16.70	67.89	17.15
1972	23.69	29.88	17.70	71.26	18.52
1973	24.14	31.53	18.60	74.28	19.85
1974	23.72	30.70	18.11	72.54	20.02
1975	23.90	28.41	18.24	70.55	20.35
1976	25.02	30.24	19.09	74.36	21.57
1977	25.39	31.09	19.81	76.29	22.71
1978	26.09	31.41	20.59	78.09	23.72
1979	25.81	32.62	20.47	78.90	24.13
1980	25.65	30.61	19.69	75.96	24.50
1981	25.24	29.25	19.50	73.99	24.76
1982	25.62	26.14	19.07	70.84	24.26
1983	25.61	25.74	19.13	70.50	24.93
1984	26.46	27.72	19.88	74.06	25.94
1985	26.75	27.07	20.12	73.94	26.48
1986	27.03	26.45	20.78	74.28	26.66
1987	27.63	27.25	21.16	76.04	27.56

* Consumption by electric utilities is apportioned to each end use sector.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Total U.S. Energy Consumption by Sector
Quadrillion BTU's

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1976													
Residential & Commercial	3.12	2.69	2.43	2.08	1.91	1.86	1.97	1.97	1.83	1.94	2.37	3.00	**27.17**
Industrial	2.43	2.11	2.20	2.07	2.20	2.24	2.29	2.27	2.22	2.58	2.59	2.72	**27.92**
Transportation	1.65	1.48	1.64	1.59	1.56	1.61	1.64	1.60	1.57	1.61	1.65	1.81	**19.41**
Total All Sectors	7.20	6.28	6.27	5.74	5.67	5.70	5.90	5.84	5.62	6.13	6.61	7.53	**74.49**
1977													
Residential & Commercial	3.35	2.90	2.45	2.05	1.88	1.93	2.08	2.07	1.92	1.96	2.16	2.80	**27.55**
Industrial	2.64	2.05	2.34	2.18	2.38	2.38	2.32	2.40	2.42	2.54	2.57	2.71	**28.93**
Transportation	1.75	1.60	1.67	1.64	1.62	1.66	1.68	1.70	1.62	1.66	1.65	1.82	**20.07**
Total All Sectors	7.73	6.55	6.45	5.87	5.88	5.97	6.07	6.17	5.96	6.16	6.39	7.33	**76.53**
1978													
Residential & Commercial	3.21	3.06	2.79	2.18	2.05	1.99	2.12	2.12	1.98	2.00	2.23	2.81	**28.54**
Industrial	2.69	2.24	2.23	2.19	2.36	2.29	2.37	2.41	2.33	2.57	2.60	2.71	**28.99**
Transportation	1.72	1.63	1.79	1.63	1.75	1.71	1.69	1.78	1.63	1.72	1.73	1.82	**20.60**
Total All Sectors	7.61	6.93	6.82	6.01	6.16	5.99	6.18	6.31	5.94	6.29	6.56	7.34	**78.14**
1979													
Residential & Commercial	3.42	3.24	2.81	2.30	2.07	1.99	2.10	2.20	2.00	2.10	2.32	2.77	**29.32**
Industrial	2.73	2.34	2.42	2.26	2.47	2.40	2.42	2.46	2.35	2.63	2.63	2.72	**29.83**
Transportation	1.78	1.68	1.75	1.58	1.66	1.60	1.59	1.68	1.55	1.65	1.59	1.67	**19.78**
Total All Sectors	7.93	7.26	6.99	6.14	6.20	5.99	6.11	6.34	5.90	6.39	6.54	7.16	**78.95**
1980													
Residential & Commercial	2.86	2.82	2.64	2.10	1.86	1.88	2.10	2.08	1.94	1.92	2.10	2.71	**27.01**
Industrial	2.89	2.59	2.64	2.35	2.41	2.31	2.27	2.22	2.34	2.63	2.68	2.82	**30.15**
Transportation	1.68	1.61	1.63	1.58	1.57	1.52	1.58	1.54	1.51	1.61	1.50	1.70	**19.03**
Total All Sectors	7.42	7.02	6.91	6.02	5.83	5.71	5.96	5.85	5.80	6.17	6.29	7.23	**76.21**
1981													
Residential & Commercial	3.15	2.64	2.32	1.83	1.70	1.76	1.90	1.84	1.66	1.81	1.99	2.61	**25.21**
Industrial	2.65	2.22	2.51	2.28	2.42	2.39	2.42	2.42	2.39	2.52	2.42	2.63	**29.27**
Transportation	1.66	1.47	1.61	1.60	1.63	1.66	1.70	1.65	1.60	1.64	1.57	1.68	**19.47**
Total All Sectors	7.46	6.33	6.44	5.71	5.76	5.82	6.02	5.92	5.65	5.97	5.97	6.92	**73.97**
1982													
Residential & Commercial	3.19	2.75	2.47	2.11	1.72	1.67	1.88	1.87	1.76	1.74	1.97	2.50	**25.63**
Industrial	2.54	2.10	2.27	2.12	2.08	2.09	2.12	2.14	2.03	2.23	2.26	2.15	**26.13**
Transportation	1.51	1.44	1.62	1.72	1.65	1.61	1.63	1.61	1.57	1.58	1.57	1.60	**19.11**
Total All Sectors	7.26	6.29	6.36	5.85	5.41	5.37	5.64	5.62	5.37	5.54	5.82	6.29	**70.82**

Total U.S. Energy Consumption by Sector
Quadrillion BTU's

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1983													
Residential & Commercial	2.84	2.56	2.36	2.11	1.75	1.73	1.97	2.06	1.81	1.71	1.96	2.75	**25.61**
Industrial	2.13	1.75	2.04	1.88	2.01	1.99	2.08	2.18	2.13	2.32	2.45	2.78	**25.74**
Transportation	1.50	1.38	1.66	1.54	1.60	1.64	1.65	1.67	1.60	1.62	1.56	1.71	**19.13**
Total All Sectors	6.48	5.68	6.06	5.53	5.35	5.36	5.70	5.92	5.54	5.65	5.97	7.25	**70.49**
1984													
Residential & Commercial	3.30	2.65	2.56	2.11	1.88	1.83	1.95	2.00	1.78	1.78	2.02	2.55	**26.41**
Industrial	2.55	2.30	2.45	2.33	2.37	2.28	2.26	2.31	2.15	2.28	2.24	2.26	**27.78**
Transportation	1.60	1.48	1.64	1.62	1.71	1.70	1.73	1.79	1.62	1.70	1.64	1.66	**19.89**
Total All Sectors	7.44	6.43	6.64	6.06	5.95	5.81	5.94	6.11	5.55	5.76	5.90	6.48	**74.07**
1985													
Residential & Commercial	3.08	2.98	2.45	2.02	1.79	1.82	2.01	2.01	1.85	1.86	2.04	2.90	**26.81**
Industrial	2.49	2.23	2.26	2.21	2.27	2.18	2.21	2.24	2.09	2.25	2.19	2.41	**27.03**
Transportation	1.61	1.49	1.67	1.68	1.74	1.68	1.76	1.80	1.62	1.73	1.64	1.72	**20.14**
Total All Sectors	7.19	6.70	6.38	5.90	5.79	5.68	5.98	6.05	5.56	5.84	5.87	7.03	**73.97**
1986													
Residential & Commercial	3.14	2.72	2.50	2.00	1.87	1.92	2.18	2.06	1.88	1.90	2.12	2.74	**27.03**
Industrial	2.39	2.21	2.32	2.19	2.24	2.13	2.11	2.10	2.07	2.18	2.17	2.34	**26.45**
Transportation	1.64	1.49	1.73	1.71	1.77	1.75	1.85	1.86	1.69	1.80	1.69	1.80	**20.78**
Total All Sectors	7.18	6.42	6.55	5.89	5.88	5.80	6.15	6.02	5.64	5.88	5.98	6.89	**74.28**
1987													
Residential & Commercial	3.10	2.76	2.55	2.12	1.93	2.00	2.22	2.20	1.93	1.97	2.12	2.74	**27.64**
Industrial	2.36	2.13	2.22	2.20	2.22	2.22	2.28	2.26	2.18	2.34	2.28	2.56	**27.25**
Transportation	1.65	1.54	1.71	1.76	1.81	1.83	1.89	1.83	1.78	1.84	1.71	1.81	**21.16**
Total All Sectors	7.12	6.44	6.48	6.08	5.96	6.05	6.39	6.29	5.89	6.15	6.10	7.10	**76.05**

* Consumption by electric utilities is apportioned back to end use sectors.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Estimated Annual Energy Consumption Growth Rat
Pre- and Post- Embargo

	Total Energy Use		Per Capita Energy Use	
	1960-1973	1973-1986	1960-1973	1973-1986
Alabama	4.6	-0.1	3.9	-1.0
Alaska	9.4	7.1	6.2	3.3
Arizona	7.0	1.8	3.1	-1.5
Arkansas	5.6	-0.4	4.4	-1.4
California	4.4	0.7	2.2	-1.3
Colorado	5.1	0.7	2.2	-1.4
Connecticut	3.0	-0.3	1.5	-0.6
Delaware	3.9	-0.7	1.8	-1.4
Dist. of Columbia	2.1	-2.8	2.4	-1.7
Florida	7.3	2.5	3.6	-0.6
Georgia	6.8	1.7	5.0	0.0
Hawaii	6.8	0.1	4.2	-1.6
Idaho	4.7	0.0	3.4	-1.9
Illinois	3.7	-1.3	2.8	-1.5
Indiana	3.9	-0.8	2.8	-1.0
Iowa	3.7	-0.5	3.4	-0.5
Kansas	3.4	0.1	3.0	-0.5
Kentucky	3.3	0.4	2.5	-0.3
Louisiana	6.1	0.1	4.9	-1.2
Maine	4.4	-0.3	3.7	-1.1
Maryland	4.5	-0.2	2.2	-0.9
Massachusetts	3.3	-1.4	2.4	-1.5
Michigan	4.0	-1.3	2.9	-1.3
Minnesota	4.5	-0.1	3.4	-0.7
Mississippi	6.7	0.6	6.0	-0.3
Missouri	3.8	0.2	3.0	-0.3
Montana	3.4	-0.6	2.8	-1.5
Nebraska	4.2	-0.5	3.5	-0.8
Nevada	7.7	1.9	2.2	-2.1
New Hampshire	5.5	0.5	3.3	-1.4
New Jersey	4.1	0.1	2.6	-0.2
New Mexico	2.8	-0.1	1.8	-2.3
New York	3.1	-1.9	2.5	-1.8
North Carolina	5.4	1.3	4.0	0.0
North Dakota	2.0	3.6	2.0	3.0
Ohio	2.7	-1.3	1.9	-1.3
Oklahoma	4.6	1.3	3.3	1.2
Oregon	5.1	0.0	3.3	-1.4
Pennsylvania	2.2	-2.0	1.8	-2.0
Rhode Island	1.6	-1.2	0.6	-1.2
South Carolina	5.1	1.9	3.8	0.3
South Dakota	2.5	-0.9	2.5	0.6
Tennessee	4.2	-0.4	3.0	-0.7
Texas	4.7	-0.7	2.9	-1.8
Utah	3.4	-0.4	1.1	-2.3
Vermont	5.4	-0.3	3.9	-1.4
Virginia	4.4	1.5	2.7	0.2
Washington	5.1	1.1	3.6	-0.8
West Virginia	3.2	-1.8	3.4	-2.2
Wisconsin	3.7	-0.2	2.7	-0.6
Wyoming	5.4	1.6	4.9	-1.1
Total U.S.	**4.1**	**0.0**	**2.8**	**-1.0**

Source: Energy Information Administration

Energy Consumption by Source and End-Use Sector
By State, 1986
Trillion BTU

	Total Energy	Sources: Coal	Natural Gas	Petroleum	Nuclear	Hydro-electric	Other	Electricity Exchanges*	End Use Sectors: Resi-dential	Commer-cial	Indus-trial	Transpor-tation
Alabama	1,454	661	210	508	125	54	0	-104	276	194	636	348
Alaska	474	12	208	245	0	8	0	0	42	76	206	151
Arizona	839	296	105	336	108	149	0	-155	173	175	190	301
Arkansas	751	225	203	319	96	29	0	-121	154	96	292	209
California	6,471	43	1,591	3,245	283	467	216	626	1,154	1,076	1,726	2,514
Colorado	868	295	198	344	1	23	(s)	6	189	214	186	279
Connecticut	704	21	81	459	202	8	0	-67	210	159	135	200
Delaware	214	66	34	126	0	0	0	-12	40	27	88	59
Dist. of Columbia	172	1	30	46	0	0	0	94	35	73	31	33
Florida	2,666	459	299	1,477	238	2	0	191	699	569	406	993
Georgia	1,828	693	287	757	78	22	0	-8	383	268	554	622
Hawaii	231	(s)	3	227	0	1	(s)	0	21	23	58	129
Idaho	329	9	35	106	0	125	0	53	74	62	112	81
Illinois	3,357	787	944	1,161	461	1	0	3	830	617	1,190	720
Indiana	2,221	1,149	399	796	0	5	0	-128	413	238	1,019	551
Iowa	894	262	209	346	32	10	1	34	218	133	326	217
Kansas	972	252	308	403	75	(s)	(s)	-65	173	156	370	274
Kentucky	1,301	750	174	465	0	28	0	-116	258	171	531	340
Louisiana	3,229	172	1,496	1,359	115	0	0	87	291	253	2,045	640
Maine	329	9	3	219	67	58	0	-27	78	46	104	101
Maryland	1,140	275	158	467	139	19	(s)	81	288	158	370	324
Massachusetts	1,279	100	191	853	26	41	0	67	373	287	230	388
Michigan	2,586	812	689	890	132	15	0	48	672	390	889	634
Minnesota	1,219	201	245	508	119	82	0	64	299	177	407	336
Mississippi	883	109	220	405	44	0	0	105	161	114	336	272
Missouri	1,431	512	244	600	77	21	0	-23	374	262	345	451
Montana	315	133	41	137	0	112	1	-109	57	45	131	81
Nebraska	489	110	104	197	83	17	0	-22	121	109	117	142
Nevada	295	162	36	142	0	47	0	-92	63	45	71	116
New Hampshire	216	25	11	147	0	22	0	12	64	33	50	69
New Jersey	2,182	78	363	1,273	160	-3	0	311	474	407	506	796
New Mexico	468	242	145	210	0	2	0	-130	68	82	147	171
New York	3,397	253	750	1,710	239	466	0	-21	955	947	640	855
North Carolina	1,750	583	140	704	219	26	0	77	398	273	557	521
North Dakota	306	311	27	121	0	34	(s)	-186	54	39	147	67
Ohio	3,553	1,432	750	1,108	(s)	2	3	258	805	535	1,430	784
Oklahoma	1,208	218	571	419	0	30	0	-30	233	176	473	326
Oregon	801	3	73	329	77	434	0	-115	186	144	217	253
Pennsylvania	3,272	1,318	632	1,250	430	15	0	-374	796	473	1,219	784
Rhode Island	195	1	27	113	0	(s)	0	54	59	42	38	56
South Carolina	1,081	264	102	357	385	13	0	-39	218	145	443	274
South Dakota	198	29	23	102	0	59	0	-16	54	30	53	60
Tennessee	1,657	607	194	578	(1)	55	0	224	361	274	557	465
Texas	8,780	1,163	3,313	4,135	0	20	3	145	1,051	923	4,745	2,060
Utah	478	189	100	199	0	15	4	-27	103	69	[illegible]	143
Vermont	115	1	5	65	22	28	1	-6	31	18	[illegible]	38
Virginia	1,671	303	147	729	229	1	0	261	391	330	425	524
Washington	1,655	63	122	677	91	791	2	-92	353	265	538	499
West Virginia	720	877	121	250	0	11	0	-539	124	78	379	140
Wisconsin	1,283	371	282	460	121	25	1	23	342	199	424	318
Wyoming	346	337	79	118	0	12	(s)	-199	37	35	210	65
Total U.S.	**74,255**	**17,245**	**18,718**	**32,198**	**4,475**	**3,405**	**232**		**15,279**	**11,729**	**28,471**	**20,777**

(s) Less than 0.5
* Net interstate sales of electricity.

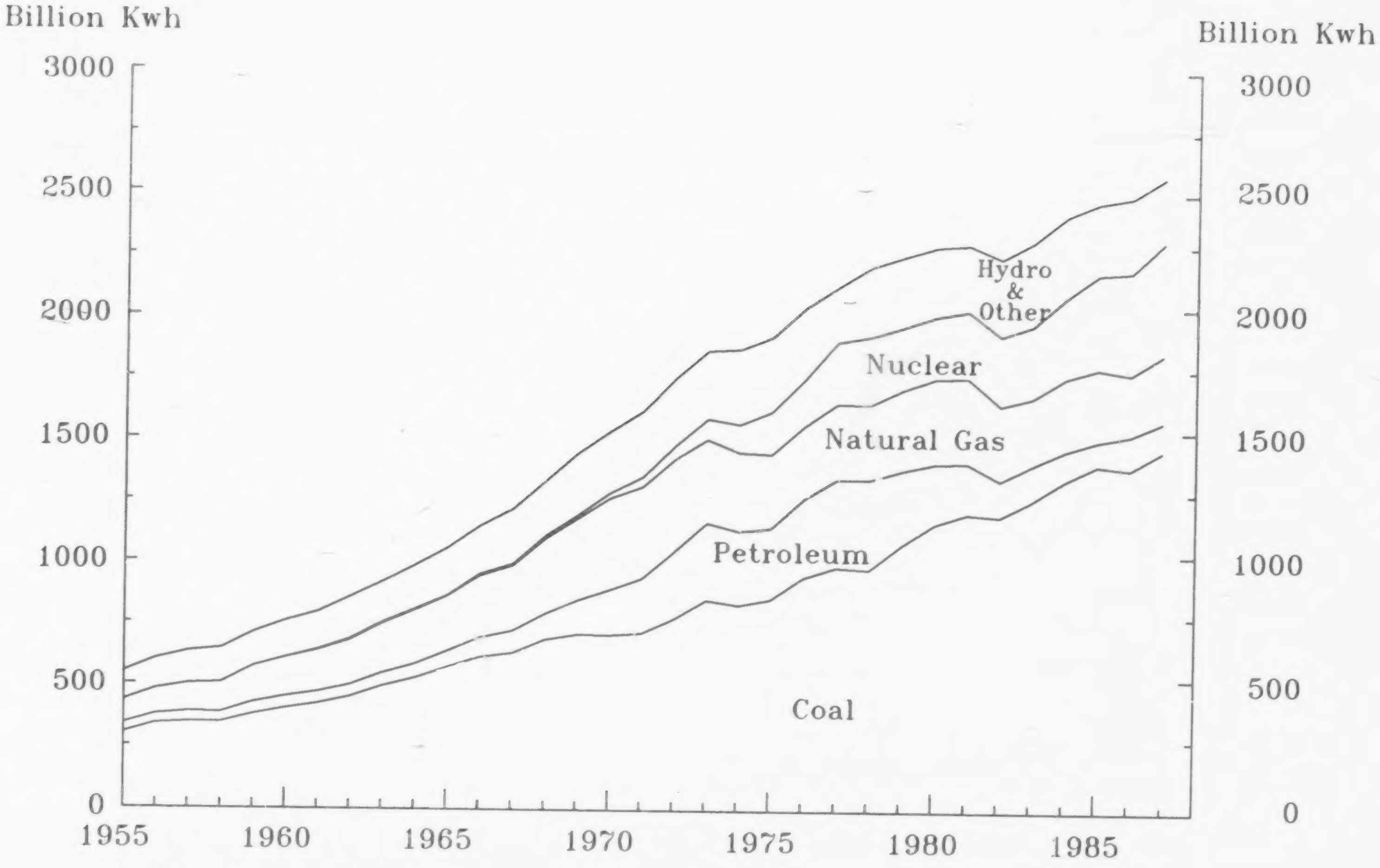
Source: Energy Information Administration

Total U.S. Installed Electric Nameplate Capacity
Millions of kilowatts

	Conventional Steam	Internal Combustion	Gas Turbine	Nuclear Power	Hydroelectric Power	Geothermal & Other	Total Capacity
1949	43.2	1.7	NA	NA	18.5	NA	**63.4**
1950	48.2	1.8	NA	NA	19.2	NA	**69.2**
1951	53.1	1.9	NA	NA	20.5	NA	**75.5**
1952	58.8	2.0	NA	NA	22.4	NA	**83.2**
1953	67.5	2.1	NA	NA	23.8	NA	**93.3**
1954	75.4	2.2	NA	NA	22.5	NA	**100.0**
1955	84.6	2.3	NA	NA	27.4	NA	**114.2**
1956	88.8	2.4	NA	NA	28.5	NA	**119.7**
1957	37.9	2.3	NA	0.1	30.7	NA	**131.1**
1958	108.2	2.4	NA	0.1	32.5	NA	**143.3**
1959	118.5	2.5	NA	0.1	34.8	NA	**155.9**
1960	128.3	2.6	NA	0.4	35.8	NA	**167.1**
1961	135.1	2.8	NA	0.4	40.7	NA	**179.0**
1962	144.6	2.8	NA	0.7	44.0	NA	**192.1**
1963	158.4	3.0	0.5	0.8	47.0	NA	**209.7**
1964	169.6	3.1	0.8	0.8	49.4	NA	**223.7**
1965	178.7	3.2	1.1	0.8	51.0	NA	**234.8**
1966	189.6	3.3	1.6	1.7	51.2	NA	**247.5**
1967	202.5	3.6	2.8	2.7	55.0	0.1	**266.7**
1968	214.3	3.8	5.3	2.7	57.9	0.1	**284.0**
1969	231.4	4.0	8.4	4.4	61.6	0.1	**309.8**
1970	248.0	4.1	13.3	7.0	63.8	0.1	**336.4**
1971	266.0	4.2	17.9	9.0	69.1	0.2	**366.4**
1972	282.3	4.5	23.9	14.5	70.5	0.3	**396.0**
1973	307.9	4.7	28.8	22.6	75.4	0.4	**439.8**
1974	322.4	4.7	33.7	31.8	75.3	0.4	**468.5**
1975	333.3	4.8	37.1	37.2	78.4	0.5	**491.3**
1976	350.9	5.0	39.1	43.7	78.0	0.5	**517.2**
1977	365.3	5.0	40.3	46.2	78.6	0.5	**535.9**
1978	374.5	5.2	41.2	50.7	79.9	0.5	**552.1**
1979	384.6	5.2	42.5	49.6	82.9	0.7	**565.5**
1980	396.6	5.2	42.5	51.7	81.7	0.9	**578.6**
1981	410.7	5.3	43.2	55.9	82.4	0.9	**598.3**
1982	421.4	4.8	43.5	59.9	83.0	1.1	**613.7**
1983	424.9	4.7	43.3	63.0	83.9	1.2	**621.1**
1984	430.8	4.5	43.5	69.7	85.3	1.3	**635.1**
1985	436.8	4.7	43.9	79.4	88.9	1.6	**655.2**
1986	440.6	4.6	43.4	85.2	89.3	1.6	**664.8**
1987	442.1	4.8	43.4	93.7	89.6	1.6	**675.2**

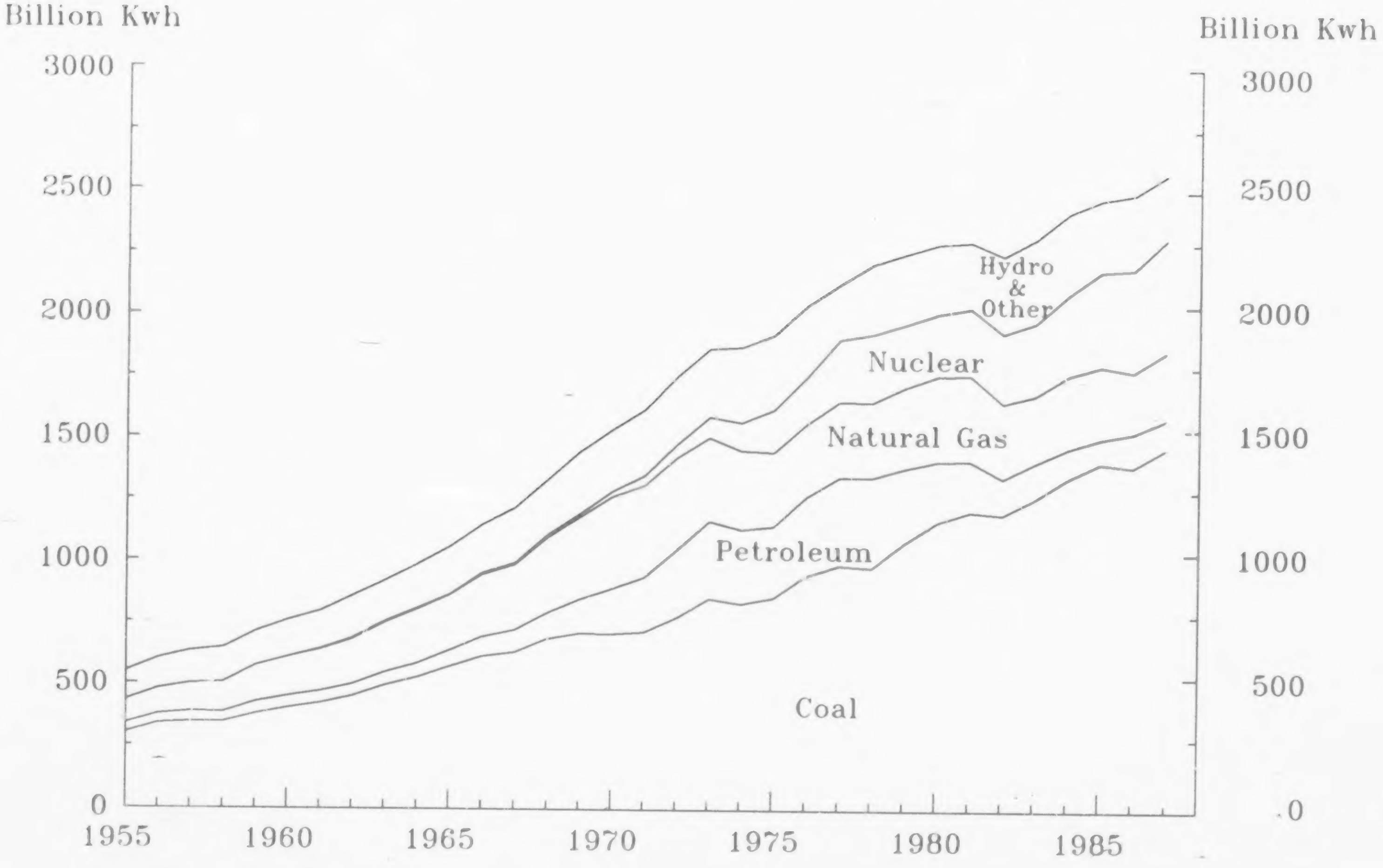
Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Electric Power Production by Source



Source: BOM, EIA

Electric Power Production by Source



Source: BOM, EIA

Total U.S. Electric Power Production
Billions of kilowatt hours

	From Coal	From Petroleum	From Natural Gas	By Nuclear	By Hydropower	By Geothermal & Other	Total Production
1952	195	30	68	0	105	0	399
1953	219	38	80	0	105	0	443
1954	239	32	94	0	107	0	472
1955	301	37	95	0	113	0	547
1956	339	36	104	0	122	0	601
1957	346	40	114	0	130	0	632
1958	344	40	120	0	140	0	645
1959	378	47	147	0	138	0	710
1960	403	46	158	1	146	0	756
1961	422	47	169	2	152	0	794
1962	450	47	184	2	169	0	855
1963	494	52	202	3	166	0	917
1964	526	57	220	3	177	0	984
1965	571	65	222	4	194	0	1,055
1966	613	79	251	6	195	1	1,144
1967	630	89	265	8	222	1	1,214
1968	685	104	304	13	222	1	1,329
1969	706	138	333	14	250	1	1,442
1970	704	184	373	22	248	1	1,532
1971	713	220	374	38	266	1	1,613
1972	771	274	376	54	273	2	1,750
1973	848	314	341	83	272	2	1,861
1974	828	301	320	114	301	3	1,867
1975	853	289	300	173	300	3	1,918
1976	944	320	295	191	284	4	2,038
1977	985	358	306	251	220	4	2,124
1978	976	365	305	276	280	3	2,206
1979	1,075	304	329	255	280	4	2,247
1980	1,162	246	346	251	276	6	2,286
1981	1,203	206	346	273	261	6	2,295
1982	1,192	147	305	283	309	5	2,241
1983	1,259	144	274	294	332	6	2,310
1984	1,342	120	297	328	321	9	2,416
1985	1,402	100	292	384	281	11	2,470
1986	1,386	137	249	414	291	12	2,487
1987	1,464	118	273	455	250	12	2,571

Data from Oil & Gas Journal Energy Database
Source: Bureau of Mines, Energy Information Administration

Total U.S. Sales of Electricity
Billions of kilowatt hours

	Residential Sector	Commercial Sector	Industrial Sector	Other Sectors	Total Sales
1949	67	45	123	20	255
1950	72	51	146	22	291
1951	83	57	166	24	330
1952	94	62	176	24	356
1953	104	67	199	26	396
1954	116	72	208	27	424
1955	128	79	260	29	497
1956	143	87	286	30	546
1957	157	94	294	31	576
1958	169	100	287	32	588
1959	185	112	315	36	647
1960	201	131	324	32	688
1961	214	138	337	32	722
1962	233	153	360	32	778
1963	251	171	377	34	833
1964	272	187	405	32	896
1965	291	200	429	34	954
1966	317	218	464	37	1,035
1967	340	234	485	40	1,099
1968	382	258	521	42	1,203
1969	427	282	559	46	1,314
1970	466	307	571	48	1,392
1971	500	329	589	51	1,470
1972	539	359	641	56	1,595
1973	579	388	686	59	1,713
1974	578	385	685	58	1,706
1975	588	403	668	68	1,747
1976	606	425	754	70	1,855
1977	645	447	786	71	1,948
1978	674	461	809	73	2,018
1979	683	473	842	73	2,071
1980	717	488	815	74	2,094
1981	722	514	826	85	2,147
1982	730	526	745	86	2,088
1983	751	544	776	80	2,151
1984	780	577	839	89	2,285
1985	794	605	835	92	2,326
1986	818	641	802	83	2,351
1987	850	672	847	87	2,455

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

U.S. Sales of Electricity
Total U.S., by Sector
Millions of kilowatt hours

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1976													
Residential	60,091	54,264	47,060	43,551	41,036	44,157	54,314	57,256	53,460	47,296	48,582	56,893	**607,960**
Commercial	34,833	33,583	32,273	31,598	32,347	35,707	39,455	39,517	38,503	36,667	35,760	36,916	**427,159**
Industrial	57,448	58,228	60,516	60,106	61,271	62,419	62,877	64,184	64,333	62,371	61,511	61,956	**737,220**
Other	6,380	5,874	5,990	5,407	5,478	5,344	5,895	5,835	6,134	5,873	5,977	6,084	**70,271**
Total Sales	**158,752**	**151,949**	**145,839**	**140,662**	**140,132**	**147,627**	**162,541**	**166,792**	**162,430**	**152,207**	**151,830**	**161,849**	**1,842,610**
1977													
Residential	65,332	61,423	50,859	44,414	41,568	48,419	60,9[illegible]9	62,282	57,248	48,741	44,959	54,919	**641,133**
Commercial	37,598	36,105	34,248	33,180	34,291	37,658	41,863	42,483	41,062	36,655	34,075	35,714	**444,932**
Industrial	61,481	60,439	63,294	63,278	65,418	66,064	64,622	66,300	66,362	66,295	64,833	63,906	**772,292**
Other	6,274	5,770	6,158	5,425	5,613	5,601	5,931	5,831	5,948	5,982	5,887	6,068	**70,488**
Total Sales	**170,685**	**163,737**	**154,559**	**146,297**	**146,890**	**157,742**	**173,385**	**176,896**	**170,620**	**157,673**	**149,754**	**160,606**	**1,928,844**
1978													
Residential	65,455	64,140	58,391	47,118	43,748	50,511	61,327	63,483	61,585	50,765	46,720	56,391	**669,634**
Commercial	38,125	37,465	36,282	33,625	33,995	39,080	42,839	43,499	42,666	37,944	35,476	37,244	**458,240**
Industrial	64,195	60,823	61,506	63,103	66,618	68,563	67,081	70,419	70,170	70,396	68,815	67,577	**799,266**
Other	6,581	6,274	6,032	5,355	5,586	5,826	6,359	6,139	6,432	6,057	6,332	6,268	**73,241**
Total Sales	**174,356**	**168,703**	**162,212**	**149,201**	**149,947**	**163,981**	**177,607**	**183,540**	**180,853**	**165,162**	**157,341**	**167,497**	**2,000,400**
1979													
Residential	69,939	67,842	59,314	50,079	45,730	49,556	58,606	64,808	59,251	49,430	49,480	58,437	**682,472**
Commercial	40,362	39,865	38,123	35,930	36,398	39,689	42,773	44,199	42,416	38,750	36,656	37,952	**473,113**
Industrial	68,324	67,632	69,783	69,944	71,798	71,919	70,984	71,956	70,075	[illegible]1,444	69,787	67,283	**840,929**
Other	6,762	6,176	6,029	5,604	5,625	5,696	5,976	6,346	6,479	6,098	6,173	6,142	**73,106**
Total Sales	**185,387**	**181,515**	**173,249**	**161,557**	**159,551**	**166,860**	**178,339**	**187,310**	**178,220**	**165,721**	**162,096**	**169,815**	**2,069,620**
1980													
Residential	65,841	64,514	60,497	51,749	45,699	52,267	68,611	74,893	67,969	54,012	50,539	60,775	**717,366**
Commercial	39,578	39,528	38,762	36,453	36,110	40,129	45,525	47,679	46,028	40,478	37,954	39,846	**488,070**
Industrial	67,532	68,508	69,086	67,908	67,235	66,739	65,531	67,377	69,570	69,414	67,613	68,517	**815,030**
Other	6,634	6,171	6,028	5,591	5,807	5,737	6,215	6,255	6,572	6,174	6,068	6,469	**73,721**
Total Sales	**179,585**	**178,720**	**174,373**	**161,702**	**154,851**	**164,872**	**185,882**	**196,205**	**190,139**	**170,078**	**162,174**	**175,607**	**2,094,188**
1981													
Residential	74,087	66,359	57,660	50,914	48,348	56,165	69,990	70,299	61,098	52,989	51,965	62,391	**722,265**
Commercial	43,229	41,345	39,541	37,910	39,331	44,244	48,989	49,003	46,977	42,183	39,747	41,839	**514,338**
Industrial	67,076	67,411	68,590	68,138	68,714	71,641	71,712	72,010	71,011	69,154	66,161	64,124	**825,742**
Other	7,557	7,092	7,035	6,562	6,780	6,777	7,124	7,147	7,164	7,024	7,143	7,351	**84,756**
Total Sales	**191,949**	**182,207**	**172,826**	**163,525**	**163,173**	**178,827**	**197,814**	**198,459**	**186,250**	**171,350**	**165,016**	**175,705**	**2,147,101**

U.S. Sales of Electricity
Total U.S.
Millions of kilowatt hours

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1982													
Residential	76,264	69,128	60,498	54,918	49,092	54,083	65,704	69,906	63,053	52,638	52,136	62,102	**729,522**
Commercial	44,947	43,459	41,710	40,036	40,021	44,206	48,211	49,720	48,068	42,864	40,572	42,584	**526,398**
Industrial	62,939	62,778	64,496	62,723	62,480	63,684	62,617	63,306	59,980	60,830	60,651	58,464	**744,948**
Other	7,929	7,441	7,255	6,836	6,976	6,766	7,035	6,808	7,194	7,084	7,122	7,128	**85,574**
Total Sales	**192,079**	**182,805**	**173,959**	**164,512**	**158,569**	**168,739**	**183,567**	**189,740**	**178,296**	**163,416**	**160,479**	**170,278**	**2,086,439**
1983													
Residential	69,967	65,039	58,912	56,284	49,669	54,138	69,965	78,374	73,197	55,374	53,704	66,326	**750,949**
Commercial	44,019	42,475	41,518	40,679	40,305	45,086	51,013	53,245	52,147	45,517	42,666	45,119	**543,789**
Industrial	57,938	59,032	60,261	60,548	62,729	66,152	66,424	69,611	69,618	68,924	67,544	67,217	**775,998**
Other	7,252	6,919	6,893	6,296	6,216	6,228	6,752	6,885	6,960	6,492	6,560	6,765	**80,218**
Total Sales	**179,176**	**173,465**	**167,584**	**163,807**	**158,919**	**171,604**	**194,153**	**208,115**	**201,922**	**176,307**	**170,474**	**185,427**	**2,150,953**
1984													
Residential	83,300	69,776	63,719	56,373	53,519	59,933	71,020	73,138	67,456	55,965	56,543	66,915	**777,657**
Commercial	49,216	45,840	45,251	43,052	44,150	49,410	53,922	53,603	52,854	48,061	45,938	46,485	**577,782**
Industrial	66,743	66,604	69,687	69,049	70,774	73,014	71,843	74,534	71,275	70,945	68,688	66,607	**839,763**
Other	7,289	6,638	6,906	6,452	6,559	6,714	7,006	7,089	6,780	6,732	6,840	6,910	**81,915**
Total Sales	**206,548**	**188,857**	**185,563**	**174,927**	**175,003**	**189,071**	**203,791**	**208,364**	**198,365**	**181,702**	**178,009**	**186,917**	**2,277,117**
1985													
Residential	77,242	78,011	63,981	56,025	52,842	60,652	70,966	73,693	71,064	57,515	56,794	72,192	**790,977**
Commercial	49,634	49,406	46,629	45,826	47,711	51,521	56,128	57,041	55,960	49,978	47,843	51,289	**608,966**
Industrial	67,219	66,582	67,437	68,445	70,140	70,091	69,760	71,402	70,744	69,158	67,164	66,383	**824,525**
Other	7,270	7,046	6,875	7,049	6,903	6,848	7,135	7,277	7,263	6,903	7,264	7,243	**85,076**
Total Sales	**201,364**	**201,045**	**184,922**	**177,345**	**177,596**	**189,112**	**203,989**	**209,414**	**205,030**	**183,554**	**179,065**	**197,107**	**2,309,543**
1986													
Residential	82,755	70,949	65,318	56,647	54,266	63,986	80,365	80,425	68,543	62,875	58,589	72,945	**817,663**
Commercial	53,377	50,481	48,256	47,243	48,867	57,121	61,100	60,528	57,711	53,256	50,278	53,250	**641,468**
Industrial	65,400	65,373	67,018	66,783	68,076	67,973	68,814	68,737	69,396	69,487	65,239	65,995	**808,291**
Other	7,246	6,863	6,837	6,275	6,804	6,872	7,533	7,254	7,156	7,025	6,255	7,290	**83,410**
Total Sales	**208,779**	**193,665**	**187,430**	**176,949**	**178,012**	**195,953**	**217,812**	**216,943**	**202,807**	**192,642**	**180,362**	**199,480**	**2,350,834**
1987													
Residential	82,175	73,486	67,404	60,014	58,498	68,842	85,460	88,180	73,494	60,885	59,980	73,125	**851,543**
Commercial	54,359	52,090	51,123	49,554	53,287	59,068	64,294	64,937	61,139	55,767	51,940	54,310	**671,868**
Industrial	65,742	65,430	68,009	68,128	70,105	72,568	73,909	74,751	74,525	72,924	71,015	70,282	**847,388**
Other	7,431	7,162	7,021	6,855	7,050	7,308	7,599	7,690	7,274	7,053	7,105	7,249	**86,797**
Total Sales	**209,708**	**198,168**	**193,557**	**184,551**	**188,940**	**207,786**	**231,262**	**235,558**	**216,431**	**196,630**	**190,040**	**204,966**	**2,457,597**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Total U.S. Coal
Millions of short tons

				Consumption						
	Production	Imports	Exports	Electric Utilities	Coke Plants	Industrial & Misc.	Trans-portation	Resid. & Comm.	Total Consumption	Total Stocks
1949	480.6	0.3	32.8	84.0	91.4	121.2	70.2	116.5	483.2	49.5
1950	560.4	0.4	29.4	91.9	104.0	120.6	63.0	114.6	494.1	77.3
1951	576.3	0.3	62.7	105.8	113.7	128.7	56.2	101.5	505.9	81.8
1952	507.4	0.3	52.2	107.1	97.8	117.1	39.8	92.3	454.1	82.4
1953	488.2	0.3	36.5	115.9	113.1	117.0	29.6	79.2	454.8	86.6
1954	420.8	0.2	33.9	118.4	85.6	98.2	18.6	69.1	389.9	75.7
1955	490.8	0.3	54.4	143.8	107.7	110.1	17.0	68.4	447.0	71.7
1956	529.8	0.4	73.8	158.3	106.3	114.3	13.8	64.2	456.9	81.3
1957	518.0	0.4	80.8	160.8	108.4	106.5	9.8	49.0	434.5	83.7
1958	431.6	0.3	52.6	155.7	76.8	100.5	4.7	47.9	385.7	78.6
1959	432.7	0.4	39.0	168.4	79.6	92.7	3.6	40.8	385.1	78.4
1960	434.3	0.3	38.0	176.7	81.4	96.0	3.0	40.9	398.1	75.2
1961	420.4	0.2	36.4	182.2	74.2	95.9	0.8	37.3	390.4	73.0
1962	439.0	0.2	41.2	193.3	74.7	97.1	0.7	36.5	402.3	71.3
1963	477.2	0.3	51.3	211.3	78.1	101.9	0.7	31.5	423.5	71.5
1964	504.2	0.3	50.9	225.4	89.2	103.1	0.7	27.2	445.7	76.7
1965	527.0	0.2	52.2	244.8	95.3	105.6	0.7	25.7	472.0	78.6
1966	546.8	0.2	50.8	266.5	96.4	108.7	0.6	25.6	497.7	75.6
1967	564.9	0.2	51.0	274.2	92.8	101.8	0.5	22.1	491.4	94.6
1968	556.7	0.2	52.0	297.8	91.3	100.4	0.4	20.0	509.8	87.0
1969	571.0	0.1	57.9	310.6	93.4	93.1	0.3	18.9	516.4	81.9
1970	612.7	0.0	72.4	320.2	96.5	90.2	0.3	16.1	523.2	93.0
1971	560.9	0.1	58.0	327.3	83.2	75.6	0.2	15.2	501.6	91.0
1972	602.5	0.0	57.2	351.8	87.7	72.9	0.2	11.7	524.3	116.8
1973	598.6	0.1	54.0	389.2	94.1	68.0	0.1	11.1	562.6	104.6
1974	610.0	2.1	61.1	391.8	90.2	64.9	0.1	11.4	558.4	96.6
1975	654.6	0.9	66.8	406.0	83.6	63.6	0.0	9.4	562.6	128.3
1976	684.9	1.2	60.6	448.4	84.7	61.8	0.0	8.9	603.8	134.7
1977	697.2	1.6	54.7	477.1	77.7	61.5	0.0	9.0	625.3	157.3
1978	670.2	3.0	41.0	481.2	71.4	63.1	0.0	9.5	625.2	145.9
1979	781.1	2.1	66.4	527.1	77.4	67.7	0.0	8.4	680.5	202.8
1980	829.7	1.2	92.1	569.3	66.7	60.3	0.0	6.5	702.7	228.4
1981	823.8	1.0	112.5	596.8	61.0	67.4	0.0	7.4	732.6	209.4
1982	838.1	0.7	106.3	593.7	40.9	64.1	0.0	8.2	706.9	232.0
1983	782.1	1.3	77.8	625.2	37.0	66.0	0.0	8.4	736.7	202.6
1984	895.9	1.3	81.5	664.4	44.0	73.7	0.0	9.1	791.3	231.3
1985	883.6	2.0	92.7	693.8	41.1	75.4	0.0	7.8	818.0	203.4
1986	890.3	2.2	85.5	685.1	36.0	75.6	0.0	7.7	804.3	207.3
1987	916.9	1.7	79.6	718.0	36.4	74.5	0.0	7.0	835.9	216.5

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Total U.S. Nuclear Power Production

	Number of Operable Nuclear Reactors	Capacity of Operable Nuclear Reactors 000 net kilowatts	Nuclear Based Electricity Generation Million kwh	Nuclear Electricity Generation % of total	Nuclear Capacity Factor % usage
1973	39	22,615	83,479	4.5	53.7
1974	48	31,803	113,976	6.1	47.9
1975	54	37,161	172,505	9.0	56.0
1976	60	43,657	191,104	9.4	54.9
1977	65	46,202	250,883	11.8	63.4
1978	70	50,709	276,403	12.5	64.7
1979	68	49,630	255,155	11.4	58.5
1980	70	51,568	251,116	11.0	56.4
1981	74	55,914	272,674	11.9	58.4
1982	77	59,927	282,773	12.6	56.7
1983	80	63,009	293,677	12.7	54.4
1984	86	69,652	327,634	13.6	56.3
1985	95	79,397	383,691	15.5	58.0
1986	100	85,241	414,038	16.6	56.9
1987	107	93,700	454,800	17.7	57.4

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Worldwide Primary Energy Consumption
Million barrels of oil equivalent

	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977
United States	11,297.7	11,922.2	12,166.3	12,465.4	12,958.0	13,288.6	12,867.1	12,547.5	13,216.7	13,505.5
Canada	1,056.3	1,119.3	1,192.6	1,233.6	1,317.2	1,399.3	1,448.4	1,429.4	1,515.1	1,561.3
North America	**12,354.0**	**13,041.5**	**13,358.9**	**13,699.0**	**14,275.2**	**14,687.9**	**14,315.5**	**13,976.8**	**14,731.8**	**15,066.8**
Austria	132.7	137.1	154.7	153.2	162.0	174.5	172.3	171.5	173.7	175.9
Belgium & Luxembourg	302.7	332.0	357.7	353.3	376.0	372.4	365.8	342.3	365.0	368.0
Denmark	118.0	137.1	149.5	145.1	151.7	144.4	132.7	133.4	140.7	145.9
Finland	96.0	106.3	115.8	118.0	119.5	131.2	126.1	127.5	134.9	142.2
France	974.2	1,073.1	1,155.9	1,193.3	1,256.4	1,364.1	1,349.5	1,254.2	1,342.9	1,367.8
Greece	62.3	66.0	73.3	87.2	98.2	112.1	109.2	124.6	137.1	142.2
Iceland	8.1	8.1	11.7	11.0	13.2	15.4	13.2	14.7	15.4	13.2
Ireland	49.1	49.8	47.6	49.8	52.0	54.2	54.2	52.0	52.8	56.4
Italy	749.9	810.0	893.5	937.5	971.2	1,010.8	1,003.5	974.2	1,046.0	1,046.0
Netherlands	343.0	389.2	443.5	471.3	530.0	563.7	521.9	522.6	559.3	551.2
Norway	169.3	170.8	177.4	187.6	197.2	206.0	207.4	211.1	225.0	206.0
Portugal	38.8	44.7	48.4	54.2	60.8	66.0	66.0	64.5	64.5	74.0
Spain	264.6	301.3	324.0	360.6	385.6	423.7	449.3	453.7	494.0	510.9
Sweden	252.2	264.6	309.3	310.8	318.1	337.9	318.9	334.2	359.9	348.2
Switzerland	136.3	141.5	156.9	162.0	157.6	175.2	164.9	172.3	165.7	185.4
Turkey	81.4	89.4	93.1	102.6	112.9	131.9	129.0	144.4	166.4	178.9
United Kingdom	1,466.7	1,526.1	1,578.1	1,565.0	1,580.3	1,647.8	1,572.3	1,497.5	1,520.2	1,553.2
West Germany	1,490.2	1,633.9	1,735.0	1,748.2	1,815.6	1,941.7	1,876.5	1,778.3	1,902.9	1,903.6
Western Europe	**6,735.5**	**7,280.9**	**7,825.5**	**8,011.0**	**8,358.4**	**8,873.0**	**8,632.5**	**8,373.1**	**8,866.4**	**8,969.0**
Australia	316.7	333.5	354.8	373.8	384.1	397.3	417.8	431.0	458.9	486.0
New Zealand	56.4	57.2	64.5	67.4	71.8	76.2	77.7	75.5	81.4	82.8
Australasia	**373.1**	**390.7**	**419.3**	**441.3**	**455.9**	**473.5**	**495.5**	**506.5**	**540.2**	**568.8**
Japan	1,597.2	1,838.4	2,089.8	2,209.3	2,278.2	2,548.6	2,539.8	2,422.6	2,526.7	2,551.6
Total OECD	**21,059.8**	**22,551.5**	**23,693.5**	**24,360.5**	**25,367.7**	**26,583.0**	**25,983.4**	**25,279.0**	**26,665.1**	**27,156.2**
Cyprus/Gibraltar/Malta	6.6	7.3	7.3	8.8	9.5	10.3	9.5	8.1	9.5	10.3
Latin America	1,252.7	1,344.3	1,389.9	1,477.0	1,595.7	1,726.9	1,823.7	1,861.8	1,930.7	2,053.9
Middle East	359.9	433.2	507.2	541.7	576.9	638.4	705.9	693.4	751.3	796.8
Africa	600.3	631.8	669.2	713.2	702.2	719.1	744.7	778.4	862.0	902.3
South Asia	616.5	682.4	673.6	695.6	727.1	757.2	762.3	774.8	839.3	871.5
South East Asia	427.3	455.2	516.8	558.5	609.9	692.7	722.7	729.3	786.5	843.7
Other Non-Communist	**3,263.3**	**3,554.3**	**3,764.0**	**3,994.9**	**4,221.3**	**4,544.6**	**4,768.9**	**4,845.9**	**5,179.4**	**5,478.4**
Total Non-Communist	**24,323.1**	**26,105.8**	**27,457.4**	**28,355.4**	**29,589.0**	**31,127.6**	**30,752.3**	**30,124.8**	**31,844.5**	**32,634.6**
China	1,726.2	1,874.3	2,123.5	2,359.5	2,454.8	2,657.1	2,844.8	3,008.2	3,206.1	3,368.9
USSR	5,048.2	5,224.8	5,489.4	5,782.6	6,131.5	6,407.2	6,773.7	7,108.6	7,452.4	7,774.2
Others	2,478.3	2,669.6	2,833.0	2,990.6	3,079.3	3,161.4	3,280.2	3,471.5	3,642.3	3,778.6
Total Communist	**9,252.7**	**9,768.7**	**10,446.0**	**11,132.8**	**11,665.7**	**12,225.7**	**12,898.6**	**13,588.4**	**14,300.8**	**14,921.7**
Total World	**33,575.8**	**35,874.5**	**37,903.4**	**39,488.2**	**41,254.7**	**43,353.3**	**43,650.9**	**43,713.2**	**46,145.3**	**47,556.3**

Worldwide Primary Energy Consumption
Million barrels of oil equivalent

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
United States	13,876.4	14,031.1	13,501.9	13,164.7	12,665.5	12,601.7	13,243.1	13,200.6	13,238.0	13,555.4
Canada	1,597.2	1,625.8	1,657.3	1,611.1	1,575.2	1,554.0	1,597.9	1,633.1	1,663.9	1,699.8
North America	**15,473.6**	**15,656.9**	**15,159.2**	**14,815.4**	**14,240.7**	**14,153.5**	**14,849.1**	**14,849.1**	**14,890.2**	**14,890.2**
Austria	183.3	193.5	194.2	184.7	178.9	177.4	179.6	184.7	186.2	192.8
Belgium & Luxembourg	376.8	374.6	369.4	351.8	337.2	323.3	339.4	352.6	363.6	370.2
Denmark	142.9	147.3	142.9	123.4	122.4	115.8	123.1	134.9	137.8	134.1
Finland	146.6	158.3	158.3	158.3	156.9	156.9	159.1	165.7	167.9	178.1
France	1,405.9	1,414.0	1,387.6	1,367.0	1,332.6	1,333.3	1,370.0	1,382.4	1,429.4	1,441.1
Greece	145.1	127.5	127.5	122.4	123.1	127.5	134.9	139.3	141.5	148.8
Iceland	13.9	13.9	13.9	13.2	11.0	11.0	11.0	11.0	11.0	11.7
Ireland	57.9	65.2	62.3	60.1	60.8	60.1	61.6	62.3	64.5	64.5
Italy	1,065.8	1,097.3	1,068.7	1,056.3	1,029.9	1,015.2	1,024.7	1,023.3	1,051.9	1,084.1
Netherlands	549.8	575.4	541.0	518.2	496.2	475.0	494.8	510.9	535.8	543.2
Norway	217.0	232.4	222.8	217.7	237.5	226.5	227.2	234.6	232.4	241.2
Portugal	77.0	82.8	83.6	84.3	90.9	88.0	92.4	78.4	87.2	88.7
Spain	521.2	552.7	560.7	563.7	554.9	580.5	576.9	571.0	576.1	578.3
Sweden	353.3	365.8	351.8	350.4	338.6	352.6	366.5	392.2	392.9	407.5
Switzerland	182.5	179.6	194.2	193.5	188.4	195.0	189.1	209.6	211.1	208.2
Turkey	169.3	171.5	179.6	189.1	203.0	206.7	222.8	228.0	309.3	351.1
United Kingdom	1,549.6	1,626.5	1,493.9	1,437.4	1,421.3	1,423.5	1,413.2	1,481.4	1,523.2	1,505.6
West Germany	1,979.1	2,103.7	1,982.8	1,894.8	1,829.6	1,839.8	1,907.3	1,962.2	1,963.0	1,952.7
Western Europe	**9,136.8**	**9,482.1**	**9,135.4**	**8,896.4**	**8,713.2**	**8,708.0**	**8,893.5**	[illegible]	**9,384.6**	**9,501.9**
Australia	500.6	527.8	526.3	543.9	549.0	538.8	561.5	[illegible]	597.4	620.9
New Zealand	82.8	82.1	83.6	84.3	84.3	92.4	96.0	[illegible]	110.0	112.1
Australasia	**583.5**	**609.9**	**609.9**	**628.2**	**633.3**	**631.1**	**657.5**	[illegible]	**707.3**	**733.0**
Japan	2,598.5	2,711.4	2,635.9	2,591.2	2,499.5	2,509.8	2,709.2	2,722.4	2,730.4	2,769.3
Total OECD	**27,792.4**	**28,460.2**	**27,540.3**	**26,931.2**	**26,086.7**	**26,002.4**	**27,109.3**	**27,371.7**	**27,712.5**	**27,894.3**
Cyprus/Gibraltar/Malta	10.3	11.0	11.0	11.0	11.7	11.7	12.5	14.7	15.4	17.6
Latin America	2,159.4	2,347.8	2,483.4	2,532.5	2,620.5	2,646.1	2,725.3	2,800.1	2,865.3	2,956.9
Middle East	836.4	796.8	868.6	936.0	1,032.1	1,120.8	1,128.8	1,166.9	1,180.9	1,215.3
Africa	1,003.5	1,106.1	1,155.9	1,243.2	1,337.0	1,381.0	1,376.6	1,400.8	1,419.1	1,478.5
South Asia	918.4	929.4	1,019.6	1,101.7	1,181.6	1,265.2	1,348.7	1,455.0	1,556.2	1,649.3
South East Asia	923.6	1,083.4	1,124.4	1,175.0	1,158.9	1,216.8	1,275.4	1,331.1	1,453.5	1,590.6
Other Non-Communist	**5,851.5**	**6,274.5**	**6,663.0**	**6,999.4**	**7,341.7**	**7,641.5**	**7,867.3**	**8,168.6**	**8,490.3**	**8,908.1**
Total Non-Communist	**33,644.0**	**34,734.7**	**34,203.2**	**33,930.6**	**33,428.5**	**33,644.0**	**34,976.6**	**35,540.2**	**36,202.9**	**36,802.5**
China	3,576.3	3,931.8	3,796.9	3,711.2	3,834.3	4,052.8	4,313.7	4,658.9	4,916.2	5,131.7
USSR	8,098.9	8,312.2	8,591.5	8,687.5	9,184.5	9,301.8	9,588.4	9,990.1	10,282.5	10,587.5
Others	3,886.4	3,989.0	4,104.8	3,994.9	4,056.4	4,079.9	4,162.7	4,253.6	4,281.5	4,367.9
Total Communist	**15,561.6**	**16,233.0**	**16,493.2**	**16,393.5**	**17,075.2**	**17,434.4**	**18,064.8**	**18,902.6**	**19,480.2**	**20,087.1**
Total World	**49,205.6**	**50,967.7**	**50,696.5**	**50,324.1**	**50,503.7**	**51,078.4**	**53,041.3**	**54,442.8**	**55,683.1**	**56,889.6**

Data from Oil & Gas Journal Energy Database.
Source: British Petroleum

Worldwide Coal Production
Millions of short tons

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Canada	23	28	28	32	34	33	40	44	47	50	63	67	66
Mexico	6	6	6	7	7	8	8	8	8	10	10	9	9
United States	610	655	685	697	670	781	830	824	838	782	890	884	888
North America	**639**	**688**	**719**	**736**	**711**	**822**	**878**	**876**	**894**	**841**	**964**	**960**	**964**
Brazil	3	3	4	4	4	8	9	6	7	7	8	9	9
Colombia	3	4	4	4	4	5	6	6	7	6	8	11	11
Other	2	2	2	2	2	2	2	2	2	2	2	3	3
Central & South America	**9**	**9**	**10**	**10**	**10**	**16**	**16**	**14**	**16**	**16**	**18**	**21**	**22**
Belgium	9	8	8	8	7	7	7	7	7	7	7	8	7
France	28	28	28	27	26	23	23	24	22	22	21	19	18
West Germany	244	238	247	229	228	239	239	241	247	236	235	231	222
Greece	16	20	25	26	25	26	26	30	30	33	35	40	41
Spain	15	15	16	19	22	24	32	38	43	44	44	44	42
Turkey	11	12	11	13	15	22	18	19	24	32	38	43	48
United Kingdom	121	142	137	135	136	135	141	138	137	127	55	104	115
Yugoslavia	37	39	41	43	44	46	52	58	60	65	72	75	72
Other	8	7	7	6	6	6	6	6	7	6	5	6	6
Western Europe	**488**	**509**	**518**	**506**	**509**	**529**	**543**	**561**	**577**	**571**	**510**	**570**	**571**
Albania	1	1	1	1	1	1	2	2	2	2	2	2	2
Bulgaria	27	31	28	28	28	31	33	32	35	36	36	34	39
Czechoslovakia	122	127	130	134	136	137	136	137	139	140	143	140	141
East Germany	269	272	273	280	279	282	285	294	304	309	327	344	343
Hungary	28	27	28	28	28	28	28	29	29	28	28	27	26
Poland	222	233	241	250	258	264	254	219	250	258	267	275	286
Romania	30	30	28	30	32	36	39	41	42	39	49	51	52
USSR	755	773	784	796	798	792	790	776	792	789	785	798	825
Eastern Europe & USSR	**1,454**	**1,494**	**1,513**	**1,546**	**1,560**	**1,571**	**1,566**	**1,529**	**1,593**	**1,601**	**1,635**	**1,671**	**1,714**
South Africa	73	77	85	94	100	114	127	144	151	161	161	192	196
Zimbabwe	3	3	3	3	3	4	4	3	3	4	4	3	4
Other	2	3	3	3	3	3	2	2	3	3	3	3	3
Africa	**78**	**82**	**91**	**100**	**106**	**121**	**133**	**149**	**157**	**167**	**167**	**198**	**202**
Australia	94	98	109	111	114	119	116	130	140	146	153	186	210
China	548	570	586	606	681	698	684	683	734	788	870	931	959
India	96	109	116	115	116	118	125	142	148	158	168	173	184
Japan	22	26	20	20	21	19	20	20	19	19	18	18	18
North Korea	43	44	45	45	45	48	50	50	52	50	51	53	53
South Korea	17	19	18	19	20	20	21	22	20	21	23	26	27
Other	16	17	19	19	18	21	21	21	24	23	25	31	33
Subtotal Other Areas	**838**	**883**	**913**	**935**	**1,015**	**1,043**	**1,037**	**1,068**	**1,137**	**1,205**	**1,308**	**1,418**	**1,484**
Total World	**3,505**	**3,665**	**3,763**	**3,833**	**3,911**	**4,101**	**4,173**	**4,198**	**4,375**	**4,402**	**4,623**	**4,839**	**4,957**

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Worldwide Hydroelectric Power Production
Billions of kilowatt hours

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Canada	210.9	202.4	212.8	220.3	234.0	243.0	251.0	263.2	255.3	263.4	283.4	300.7	307.7
Mexico	16.7	15.1	17.2	19.1	16.2	17.9	16.9	24.6	22.9	20.7	23.6	26.2	26.5
United States	304.2	303.2	286.9	223.6	283.5	283.1	279.2	263.8	312.4	335.3	324.3	284.3	294.0
North America	**531.8**	**520.7**	**516.9**	**462.9**	**533.7**	**544.0**	**547.1**	**551.6**	**590.6**	**619.4**	**631.3**	**611.3**	**628.2**
Argentina	5.0	5.1	4.9	5.7	7.7	10.5	15.0	14.5	17.4	18.2	19.7	20.3	20.7
Brazil	65.5	73.8	82.4	93.5	102.7	115.1	127.4	129.5	139.7	150.0	164.9	176.5	180.0
Chile	6.0	6.1	6.2	6.4	6.8	6.9	7.3	7.5	8.4	8.8	9.2	10.3	10.4
Colombia	8.9	9.8	10.3	10.5	12.1	13.2	14.5	17.5	18.4	19.4	19.1	19.3	19.5
Peru	5.2	5.4	5.7	6.0	6.1	6.5	7.5	7.1	8.3	8.0	8.5	9.2	9.3
Venezuela	7.1	8.8	10.5	11.8	12.0	13.3	14.5	14.9	15.1	16.8	19.5	20.5	21.0
Other	8.1	8.2	8.8	9.1	10.6	11.3	13.4	14.8	16.7	20.1	21.3	21.7	22.2
Central & South America	**105.8**	**117.2**	**128.8**	**143.0**	**158.0**	**176.8**	**199.6**	**205.8**	**224.0**	**241.3**	**262.2**	**277.8**	**283.1**
Austria	22.4	23.5	20.3	24.6	24.6	27.8	28.8	30.5	30.6	30.3	29.2	31.3	31.5
Finland	12.5	12.0	9.3	12.0	9.6	10.7	10.0	13.4	13.0	13.4	13.2	12.0	12.1
France	56.8	59.9	48.6	76.1	68.5	67.0	69.2	72.7	71.0	70.7	67.4	63.7	64.0
West Germany	17.6	16.9	13.8	17.3	18.2	18.2	20.6	19.8	19.3	18.6	18.2	17.4	18.1
Italy	39.1	42.4	40.7	52.5	47.1	47.9	48.5	45.3	43.8	43.9	44.9	44.0	43.7
Norway	75.9	76.6	81.2	71.5	80.1	88.1	83.0	92.1	92.0	105.0	105.3	101.8	95.8
Spain	31.0	26.2	22.3	40.3	41.1	46.9	30.5	22.7	27.8	28.6	33.1	32.8	27.0
Sweden	56.6	57.0	54.2	52.8	57.0	60.3	58.7	59.6	55.0	63.7	67.4	70.1	59.8
Switzerland	28.6	34.0	26.6	36.3	32.5	32.3	33.5	36.1	37.0	36.0	30.9	31.7	33.8
Yugoslavia	20.5	19.1	20.3	24.1	24.9	26.3	27.9	25.1	23.3	21.6	24.9	24.0	27.2
Other	23.2	22.9	24.3	29.9	32.7	35.8	33.1	32.3	36.2	34.5	38.3	39.0	37.9
Western Europe	**384.2**	**390.5**	**361.6**	**437.4**	**436.3**	**461.3**	**443.8**	**449.6**	**449.0**	**466.3**	**472.8**	**467.8**	**450.9**
Czechoslovakia	4.0	3.8	3.4	4.3	4.0	4.1	4.7	4.2	3.7	3.8	3.2	4.3	4.5
Romania	8.4	8.6	8.0	9.3	10.5	11.2	12.5	12.6	11.7	9.9	11.2	11.8	11.8
USSR	130.7	124.7	134.4	145.5	168.0	170.3	182.0	184.9	172.9	178.6	200.8	203.9	210.6
Other	7.1	7.5	7.8	8.9	8.5	9.1	10.6	10.5	9.8	10.8	10.9	10.5	10.1
Eastern Europe & USSR	**150.2**	**144.6**	**153.6**	**168.0**	**191.0**	**194.7**	**209.8**	**212.2**	**198.1**	**203.1**	**226.1**	**230.5**	**237.0**
Egypt	6.1	6.7	8.0	8.9	9.2	9.4	9.5	10.1	10.3	10.4	10.4	10.5	10.5
Zaire	3.4	3.7	4.0	4.0	4.1	4.2	4.3	4.1	4.3	4.4	4.4	4.4	4.4
Zambia	5.7	5.9	6.9	8.5	7.8	8.7	8.8	9.7	10.0	10.0	9.8	10.1	10.1
Zimbabwe	5.2	5.3	4.9	3.5	3.8	3.5	4.0	4.1	3.6	3.7	3.5	3.4	3.3
Other	15.1	15.6	18.6	22.3	23.8	30.2	34.6	24.4	23.2	22.4	17.9	20.1	20.5
Africa	**35.5**	**37.2**	**42.4**	**47.2**	**48.7**	**56.0**	**61.2**	**52.4**	**51.4**	**50.9**	**46.0**	**48.5**	**48.8**
Australia	13.6	15.1	15.4	13.6	14.5	16.0	16.9	14.7	14.4	12.8	13.4	14.9	14.5
China	42.6	44.5	50.5	47.1	44.2	49.6	57.6	64.9	73.7	85.5	85.9	91.5	92.0
India	27.6	33.0	34.5	37.6	46.7	45.1	46.1	49.1	47.9	49.5	53.3	57.4	58.0
Japan	83.9	85.0	87.5	75.5	73.9	84.2	91.2	89.7	83.2	87.1	72.7	81.1	77.5
North Korea	13.9	16.3	16.8	17.3	19.3	20.3	22.3	22.8	24.8	25.7	26.7	27.7	28.7
New Zealand	14.1	16.7	14.8	14.4	16.1	15.3	16.2	19.3	17.9	19.4	20.0	19.9	20.0
Pakistan	4.4	4.6	5.7	5.4	5.8	8.3	8.6	9.0	9.4	11.3	12.7	14.9	15.0
Philippines	2.0	2.2	2.8	2.2	2.8	2.8	3.5	3.7	4.2	4.0	7.3	7.3	7.4
Other	15.5	17.7	19.0	19.7	20.3	23.2	23.1	26.0	26.9	27.1	30.9	33.1	33.7
Subtotal Other Areas	**217.6**	**235.1**	**247.0**	**232.8**	**243.6**	**264.8**	**285.5**	**299.2**	**302.4**	**322.4**	**322.9**	**347.8**	**346.8**
Total World	**1,425.2**	**1,445.4**	**1,450.4**	**1,491.3**	**1,611.3**	**1,697.6**	**1,747.0**	**1,770.9**	**1,815.5**	**1,903.2**	**1,961.3**	**1,983.7**	**1,994.7**

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Worldwide Nuclear Electric Power Production
Billions of kilowatt hours

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Argentina	1.0	2.4	2.4	1.6	2.8	2.6	2.2	2.7	1.8	3.2	4.3	5.5	5.4
Brazil	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	2.0	3.2	0.1
Canada	14.6	12.6	17.1	25.4	31.3	36.5	38.4	41.1	40.4	50.4	51.1	59.7	70.9
United States	114.0	172.5	191.1	250.9	276.4	255.2	251.1	272.7	282.8	293.7	327.6	383.7	414.0
Western Hemisphere	**129.6**	**187.5**	**210.7**	**277.9**	**310.4**	**294.2**	**291.7**	**316.5**	**325.0**	**347.5**	**385.0**	**452.1**	**490.5**
Belgium	0.1	6.4	9.5	11.3	11.9	10.8	11.9	12.2	14.8	22.8	26.3	32.8	36.7
Finland	0.0	0.0	0.0	2.5	3.1	6.3	6.6	13.7	15.7	16.6	17.6	17.8	17.8
France	14.0	17.4	14.8	17.0	29.0	37.9	58.2	100.0	103.4	137.0	181.6	212.8	241.6
West Germany	11.4	20.6	23.3	34.0	34.1	40.1	41.5	50.7	60.2	61.5	88.0	119.4	111.5
Italy	3.2	3.6	3.6	3.2	4.2	2.5	2.1	2.6	6.5	5.5	6.5	6.7	8.2
Netherlands	3.1	3.2	3.7	3.5	3.9	3.3	4.0	3.5	3.7	3.4	3.6	3.7	4.0
Spain	6.9	7.2	7.2	6.2	7.3	6.4	4.9	9.0	8.3	10.2	21.9	26.6	35.6
Sweden	1.6	11.4	15.2	18.9	22.6	20.0	25.4	35.8	36.8	38.5	48.7	55.7	66.5
Switzerland	6.7	7.3	7.5	7.7	7.9	11.3	13.6	14.4	14.2	14.8	15.5	21.3	21.3
United Kingdom	32.3	29.0	35.0	36.2	34.8	36.6	35.3	36.9	41.9	47.5	51.4	56.7	55.3
Yugoslavia	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	2.4	3.7	4.2	3.8	3.8
Western Europe	**79.3**	**106.1**	**119.7**	**140.5**	**158.8**	**175.1**	**203.5**	**279.0**	**308.1**	**361.4**	**465.4**	**557.3**	**602.3**
Bulgaria	0.9	2.4	4.7	5.6	5.6	5.9	5.9	8.7	10.2	11.7	12.1	12.5	12.5
Czechoslovakia	0.5	0.2	0.4	0.1	0.1	1.8	4.3	4.5	5.5	5.8	6.9	11.2	11.8
East Germany	2.1	2.6	5.0	4.9	6.3	9.3	11.3	11.3	10.3	11.6	11.2	12.1	12.3
Hungary	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.4	6.2	7.0
USSR	17.1	19.2	23.8	32.3	42.5	52.1	69.3	64.6	76.0	104.3	134.9	161.5	167.0
Eastern Europe & USSR	**20.5**	**24.4**	**33.9**	**42.9**	**54.5**	**69.1**	**90.7**	**89.0**	**102.1**	**135.8**	**167.5**	**203.4**	**210.6**
South Africa	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	5.5	8.9
Africa	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**4.0**	**5.5**	**8.9**
India	2.4	2.4	3.0	2.6	2.2	3.0	2.7	2.9	2.0	2.7	3.9	4.3	4.9
Japan	17.2	21.1	35.0	26.7	50.5	58.9	78.7	79.3	99.3	103.6	120.8	144.4	156.6
South Korea	0.0	0.0	0.0	0.1	2.2	3.0	3.3	2.8	3.6	8.5	11.2	15.7	24.8
Pakistan	0.6	0.5	0.5	0.3	0.2	0.0	0.1	0.2	0.1	0.2	0.3	0.2	0.5
Taiwan	0.0	0.0	0.0	0.1	2.5	6.0	7.8	10.1	12.4	18.0	23.4	27.3	25.6
Far East & Oceania	**20.1**	**24.0**	**38.5**	**29.8**	**57.6**	**71.0**	**92.6**	**95.3**	**117.4**	**133.1**	**159.3**	**191.9**	**212.4**
Total World	**249.5**	**341.9**	**402.8**	**491.2**	**581.3**	**609.4**	**678.5**	**779.8**	**852.6**	**977.7**	**1,181.2**	**1,410.2**	**1,524.6**

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

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Oil & Gas Industry Employment
Thousands

	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965
Oil & Gas Extraction	331.9	340.1	344.0	327.5	329.5	309.2	303.1	298.0	289.2	291.1	287.1
Crude Petroleum, Natural Gas, & NGL	189.0	192.3	194.5	192.4	185.4	178.2	171.3	167.6	163.8	160.4	156.6
Oil & Gas Field Services	NA	NA	NA	135.0	144.2	131.1	131.8	130.4	125.4	130.7	130.5
Petroleum Refining	201.3	200.8	198.9	190.4	181.4	177.2	168.4	160.5	153.7	149.5	148.1
Pipe Lines Except Natural Gas	NA	25.9	26.5	25.7	24.3	23.1	22.2	21.6	20.7	20.0	19.5
Gas Production & Distribution	140.8	145.3	149.0	151.9	154.1	154.8	155.6	154.6	153.3	153.3	153.6
Petroleum & Petroleum Products	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Petroleum Bulk Stations & Terminals	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Service Stations	NA	NA	NA	439.1	449.1	460.7	464.3	480.2	493.2	507.2	521.9

	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976
Oil & Gas Extraction	281.8	275.8	275.6	279.9	270.1	264.2	267.9	273.9	300.2	328.8	345.7
Crude Petroleum, Natural Gas, & NGL	152.5	149.7	148.1	145.8	144.9	144.8	143.3	139.3	144.6	155.4	161.4
Oil & Gas Field Services	129.2	126.2	127.5	134.1	125.2	119.4	124.5	134.6	155.6	173.5	184.3
Petroleum Refining	148.2	147.9	150.1	144.7	153.7	152.8	151.4	149.2	153.0	152.8	156.6
Pipe Lines Except Natural Gas	18.9	18.7	18.5	17.9	17.6	17.3	16.7	16.8	17.3	17.5	17.7
Gas Production & Distribution	153.2	155.9	158.4	159.5	161.2	158.5	160.7	162.7	163.2	161.9	159.3
Petroleum & Petroleum Products	NA	NA	NA	NA	NA	NA	225.2	220.8	216.8	227.5	232.0
Petroleum Bulk Stations & Terminals	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Service Stations	538.4	565.9	585.8	606.4	613.3	619.0	648.9	651.4	590.4	622.2	625.8

	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Oil & Gas Extraction	381.4	429.3	474.2	559.7	692.1	708.3	599.9	606.5	582.9	457.4	425.1
Crude Petroleum, Natural Gas, & NGL	170.1	182.5	198.2	225.9	261.9	273.8	263.0	260.9	253.5	224.3	204.0
Oil & Gas Field Services	211.4	246.7	276.0	333.8	430.2	434.5	336.9	345.6	329.4	233.0	221.1
Petroleum Refining	159.5	164.1	165.2	154.8	172.8	164.2	158.2	151.1	141.4	130.7	125.6
Pipe Lines Except Natural Gas	18.5	19.6	20.1	21.3	21.8	21.3	20.7	19.1	18.7	18.1	17.9
Gas Production & Distribution	158.8	163.5	167.1	168.0	174.0	176.9	173.2	173.2	174.8	167.8	166.7
Petroleum & Petroleum Products	229.7	229.4	225.4	223.9	231.5	222.6	211.3	208.3	205.9	199.6	195.4
Petroleum Bulk Stations & Terminals	NA	NA	NA	NA	NA	92.4	85.0	87.1	84.2	82.2	79.4
Other	NA	NA	NA	NA	NA	130.2	126.3	121.2	121.8	117.4	116.0
Gasoline Service Stations	628.7	628.0	576.9	560.8	562.2	559.0	556.9	574.7	588.5	596.4	608.4

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Labor Statistics

U.S. Oil & Gas Extraction Employees
Thousands

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1972	266.7	263.5	264.4	262.4	263.0	271.3	272.1	274.7	271.4	269.5	268.2	267.4	**267.9**
1973	265.9	268.2	266.2	265.6	269.8	278.4	281.1	281.0	276.0	275.8	277.7	281.0	**273.9**
1974	282.5	283.4	285.7	287.5	292.3	301.6	306.9	311.5	308.5	311.1	313.4	318.4	**300.2**
1975	319.6	320.0	319.7	319.0	325.0	331.8	335.9	338.6	330.6	333.2	334.7	338.0	**328.8**
1976	339.4	334.6	335.6	336.4	338.7	347.8	352.2	355.5	350.2	351.0	352.5	354.5	**345.7**
1977	356.9	358.8	361.3	366.1	373.3	388.2	391.6	394.7	393.5	394.5	397.9	400.5	**381.4**
1978	404.1	405.5	413.2	414.8	420.7	436.3	441.1	445.4	440.7	440.8	443.6	445.2	**429.3**
1979	448.1	452.4	453.6	452.3	461.6	477.0	483.6	489.5	487.5	492.0	493.7	499.0	**474.2**
1980	504.0	511.3	517.1	526.2	545.4	567.2	576.0	584.5	584.2	591.9	599.5	609.0	**559.7**
1981	622.7	630.2	639.7	654.1	671.1	698.8	712.8	727.4	727.8	730.4	740.9	748.8	**692.1**
1982	753.7	754.5	754.0	741.6	729.6	727.1	708.8	699.9	674.7	655.8	650.4	649.1	**708.3**
1983	634.6	614.0	600.0	586.3	583.8	587.7	596.3	595.6	591.8	597.4	602.6	609.0	**599.9**
1984	605.1	601.0	596.6	591.0	594.9	606.9	610.6	616.0	612.5	611.4	616.6	615.3	**606.5**
1985	609.7	600.7	592.4	590.7	588.0	588.5	585.0	583.3	575.1	570.7	568.5	569.7	**585.2**
1986	557.8	535.4	506.5	473.1	448.4	440.0	437.9	426.7	415.7	415.7	416.5	414.8	**457.4**
1987	412.0	409.0	408.5	403.0	412.1	420.7	428.0	433.0	435.9	443.0	444.1	445.9	**425.1**

U.S. Petroleum Refining Employees
Thousands

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1972	148.2	151.8	151.3	151.3	151.6	153.9	153.8	153.4	151.0	150.1	150.0	149.9	**151.4**
1973	148.9	145.4	145.9	144.7	146.7	150.5	151.0	152.9	151.9	150.9	150.6	151.1	**149.2**
1974	150.8	150.3	150.3	150.6	153.1	155.5	156.8	155.2	152.8	152.4	154.3	153.9	**153.0**
1975	148.8	144.6	147.4	147.5	151.5	155.0	157.7	156.8	156.1	155.8	156.6	156.0	**152.8**
1976	156.1	155.7	155.3	155.7	155.6	157.9	158.7	158.4	156.7	156.3	156.5	156.8	**156.6**
1977	155.3	152.8	154.6	156.8	158.7	162.0	163.8	162.8	161.4	161.3	162.1	162.6	**159.5**
1978	162.3	163.1	163.6	163.3	163.6	166.7	166.8	165.9	163.9	163.8	163.4	163.2	**164.1**
1979	161.7	161.4	162.2	162.7	163.6	166.2	167.3	167.1	167.3	167.4	167.8	167.4	**165.2**
1980	166.7	112.9	109.4	130.0	160.4	166.0	169.1	169.0	167.7	167.9	168.5	169.5	**154.8**
1981	171.0	170.7	171.6	171.8	173.0	174.7	175.4	175.5	173.2	172.5	172.5	171.6	**172.8**
1982	167.0	165.8	164.8	163.9	163.8	163.7	163.9	163.0	165.0	163.4	163.2	162.9	**164.2**
1983	161.7	160.9	159.9	159.6	159.4	159.8	159.1	157.9	156.3	155.4	154.7	154.1	**158.2**
1984	152.6	151.8	151.9	151.1	151.4	152.0	152.4	152.1	150.3	149.6	149.5	148.5	**151.1**
1985	147.6	146.2	144.9	143.8	142.9	143.4	142.2	140.4	133.2	132.6	132.2	131.8	**140.1**
1986	134.1	133.5	133.5	133.0	132.6	132.7	132.1	130.7	128.4	127.0	126.2	124.2	**130.7**
1987	124.9	124.6	124.7	124.6	125.0	126.0	126.4	126.5	125.7	125.9	126.1	126.3	**125.6**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Labor Statistics

Average Hourly Earnings of Production Workers
Dollars

	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965
Oil & Gas Extraction	NA	NA	NA	2.39	2.43	2.46	2.53	2.60	2.66	2.66	2.74
Crude Petroleum, Natural Gas, & NGL	2.20	2.35	2.47	2.54	2.65	2.69	2.80	2.83	2.92	2.95	3.03
Oil & Gas Field Services	NA	NA	NA	2.24	2.25	2.26	2.30	2.41	2.43	2.43	2.53
Petroleum Refining	2.47	2.66	2.77	2.84	2.99	3.02	3.16	3.19	3.32	3.37	3.47
Pipe Lines Except Natural Gas	NA	NA	NA	2.93	3.05	3.09	3.27	3.27	3.40	3.46	3.54
Gas Production & Distribution	1.98	2.07	2.18	2.30	2.39	2.47	2.56	2.66	2.77	2.84	2.94
Petroleum & Petroleum Products	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Service Stations	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976
Oil & Gas Extraction	2.87	3.03	3.22	3.43	3.57	3.78	4.04	4.33	4.87	5.38	5.85
Crude Petroleum, Natural Gas, & NGL	3.13	3.25	3.39	3.59	3.83	4.15	4.52	4.79	5.30	6.01	6.61
Oil & Gas Field Services	2.70	2.88	3.11	3.33	3.40	3.52	3.73	4.06	4.66	5.07	5.49
Petroleum Refining	3.60	3.77	3.94	4.23	4.49	4.82	5.22	5.58	6.01	6.93	7.78
Pipe Lines Except Natural Gas	3.69	3.85	4.04	4.26	4.57	4.87	5.21	5.53	6.05	6.89	7.45
Gas Production & Distribution	3.06	3.21	3.37	3.57	3.82	4.09	4.40	4.72	5.07	5.50	6.09
Petroleum & Petroleum Products	NA	NA	NA	NA	NA	NA	4.18	4.46	4.98	5.46	5.81
Gasoline Service Stations	NA	NA	NA	NA	NA	NA	2.54	2.69	2.98	3.16	3.33

	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Oil & Gas Extraction	6.[illegible]7	7.01	7.72	8.59	9.50	10.25	10.65	10.72	11.06	11.61	11.43
Crude Petroleum, Natural Gas, & NGL	7.16	8.05	8.78	9.70	10.78	11.80	12.35	12.76	13.29	13.76	14.04
Oil & Gas Field Services	6.04	6.61	7.34	8.23	9.14	9.76	9.94	9.92	10.15	10.32	9.98
Petroleum Refining	8.48	9.32	10.08	10.94	12.17	13.30	14.33	14.57	15.26	15.34	15.72
Pipe Lines Except Natural Gas	8.14	8.81	9.52	10.50	11.50	12.59	14.06	14.75	15.26	15.12	15.38
Gas Production & Distribution	6.62	7.10	7.65	8.27	9.10	9.74	10.43	11.13	11.76	12.53	13.00
Petroleum & Petroleum Products	6.16	6.84	7.70	8.51	9.04	9.65	10.12	9.92	9.77	9.78	9.66
Gasoline Service Stations	3.44	3.67	4.02	4.47	4.83	5.03	5.19	5.23	5.29	5.43	5.51

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Labor Statistics.

Industrial Production Index
Seasonally Adjusted
1977=100

	Total Index	Oil & Gas Extraction	Petroleum Products
1960	48.7	71.0	54.6
1961	49.0	72.6	56.8
1962	53.1	74.7	59.9
1963	56.3	77.6	62.6
1964	60.1	80.0	64.3
1965	66.1	82.5	65.6
1966	72.0	86.9	68.5
1967	73.5	91.1	71.1
1968	77.6	94.7	74.6
1969	81.2	97.5	76.6
1970	78.5	100.2	80.1
1971	79.6	99.1	82.8
1972	87.3	100.8	86.6
1973	94.4	100.3	91.4
1974	93.0	99.6	88.2
1975	84.9	97.3	87.3
1976	92.6	95.6	92.8
1977	100.0	100.0	100.0
1978	106.5	104.5	102.4
1979	110.7	104.2	101.7
1980	108.6	111.5	94.1
1981	111.0	117.8	89.5
1982	103.1	110.8	84.2
1983	109.2	102.7	83.9
1984	121.4	109.1	87.4
1985	123.7	105.9	86.9
1986	125.1	93.9	92.7
1987	129.8	92.7	93.6

Source: Federal Reserve System

Total U.S. Motor Vehicle Registration and Motor Fuel Consumption

	Motor Vehicle Registration (millions)					Motor Fuel Consumption (000 b/d)		
	Passenger Cars	Motorcycles	Buses	Trucks	Total	Gasoline	Other Fuels	Total
1960	61.7	0.6	0.3	11.9	74.4	3,953	159	4,112
1961	63.4	0.6	0.3	12.3	76.6	4,034	176	4,210
1962	66.1	0.7	0.3	12.8	79.8	4,120	192	4,312
1963	69.0	0.8	0.3	13.4	83.5	4,274	211	4,485
1964	72.0	1.0	0.3	14.0	87.3	4,454	236	4,690
1965	75.3	1.4	0.3	14.8	91.7	4,644	269	4,913
1966	78.1	1.8	0.3	15.5	95.7	4,846	306	5,152
1967	80.4	2.0	0.3	16.2	98.9	5,014	329	5,343
1968	83.6	2.1	0.4	16.9	103.0	5,300	370	5,670
1969	86.9	2.3	0.4	17.9	107.4	5,604	413	6,017
1970	89.2	2.8	0.4	18.8	111.2	5,845	439	6,284
1971	92.7	3.3	0.4	19.9	116.3	6,125	494	6,619
1972	97.1	3.8	0.4	21.3	122.6	6,529	554	7,083
1973	102.0	4.4	0.4	23.2	130.0	6,819	642	7,460
1974	104.9	5.0	0.4	24.6	134.9	6,531	639	7,170
1975	106.7	5.0	0.5	25.8	137.9	6,719	628	7,347
1976	110.4	5.0	0.5	27.7	143.5	7,075	697	7,772
1977	113.7	5.0	0.5	29.6	148.8	7,287	760	8,046
1978	116.6	5.1	0.5	31.7	153.9	7,555	837	8,392
1979	120.2	5.5	0.5	33.3	159.6	7,291	913	8,204
1980	121.7	5.7	0.5	33.6	161.6	6,820	896	7,716
1981	123.5	5.8	0.5	34.5	164.3	6,726	969	7,695
1982	123.7	5.7	0.6	35.3	165.3	6,679	972	7,651
1983	126.7	5.6	0.6	36.5	169.4	6,731	1,043	7,774
1984	127.9	5.5	0.6	38.0	172.0	6,850	1,127	7,977
1985	132.1	5.4	* NA	* 39.6	177.1	7,020	1,158	8,178
1986	135.4	5.3	* NA	* 40.8	181.5	7,229	1,202	8,431
1987	139.0	5.1	* NA	* 41.9	186.1	7,305	1,237	8,542

* Buses are included with trucks beginning in 1985.

Data from Oil & Gas Journal Energy Database.
Source: Federal Highway Administration

Vehicle Miles of Travel & Fuel Consumption

	--------Passenger Cars------------			----------All Vehicles-------------		
	1,000 Miles per Car	Gallons per Car	Average Miles per Gallon	1,000 Miles per Vehicle	Gallons per Vehicle	Average Miles per Gallon
1960	9.45	661	14.3	9.65	777	12.4
1961	9.47	658	14.4	9.65	776	12.4
1962	9.44	657	14.4	9.62	774	12.4
1963	9.24	648	14.3	9.65	773	12.5
1964	9.29	652	14.3	9.70	778	12.5
1965	9.39	667	14.1	9.68	775	12.5
1966	9.92	703	14.1	9.69	780	12.4
1967	10.06	715	14.1	9.75	786	12.4
1968	10.14	731	13.9	9.86	805	12.2
1969	10.16	746	13.6	9.89	821	12.0
1970	10.27	760	13.5	10.00	830	12.0
1971	10.42	770	13.5	10.13	839	12.1
1972	10.52	785	13.4	10.28	758	13.6
1973	10.26	771	13.3	10.10	850	11.9
1974	9.61	716	13.4	9.49	788	12.0
1975	9.69	716	13.5	9.63	790	12.2
1976	9.79	723	13.5	9.74	806	12.1
1977	9.88	716	13.8	9.98	814	12.3
1978	9.84	701	14.0	10.08	816	12.4
1979	9.40	653	14.4	9.72	776	12.5
1980	9.14	591	15.5	9.46	712	13.3
1981	9.19	576	15.9	9.46	697	13.6
1982	9.43	566	16.7	9.64	686	14.1
1983	9.48	553	17.1	9.76	686	14.2
1984	9.56	536	17.8	10.02	691	14.5
1985	9.56	525	18.2	10.02	685	14.6
1986	9.63	525	18.3	10.13	690	14.7

Data from Oil & Gas Journal Energy Database.
Source: Federal Highway Administration

Notes

Appendix 1

Chronology of Major Events Affecting Oil & Gas Industry

1859
Colonel Edwin Drake discovers oil in Venango County, Pennsylvania at a depth of 69-1/2 ft.

1866
First oilwell drilled in Texas in Nacogdoches County.

April 1897
Nellie Johnstone No. 1 completed to become first commerical oilwell in Oklahoma.

1901
Discovery of Spindletop field in Texas. Drilling mud was used for the first time in the drilling of Spindletop wells. Price of oil falls dramatically.

1901
First oil production in Louisiana from Heywood Brothers No. 1 Jennings in Acadia Parish.

1905
Glenn Pool field discovered near Tulsa, Oklahoma.

1908
First oil production in the Middle East at Masjid-i Suleiman, Iran.

1911
Sherman Anti-Trust legislation is used as basis for breaking up Standard Oil Trust.

1919
American Petroleum Institute (API) founded.

October 1930
No. 3 Daisy Bradford well discovers East Texas field.

1936
First recorded crude oil production in Saudi Arabia.

1938
Mexico nationalizes foreign oil companies.

1938
Natural Gas Act allows Federal Power Commission to regulate pipelines.

1946
First recorded crude oil production in Kuwait.

December 1955
U.S. rig count reaches 3,137, a record which would remain unbroken until 1980.

1958
First commercial crude oil production in Alaska.

1960
Organization of Petroleum Exporting Countries (OPEC) is formed.

November 1964
U.K. grants licenses for exploration in the North Sea.

August 1970
West Ekofisk oil field discovered in Norwegian North Sea.

Appendix 1 (Continued)

August 1972
Brent oil field discovered in U.K. North Sea.

October 1973
OPEC increases prices by around 70%. Arab members of OPEC cut production and announce embargo on sales to the U.S.

1974
OPEC crude postings increase by up to 130%.

January 1974
Construction permit for Alaskan pipeline issued.

March 1974
Embargo on oil sales to U.S. lifted.

April 1974
Bertha Rogers No. 1 is completed near Washita, Oklahoma. At 31,441 feet it is the deepest well drilled in the U.S.

November 1974
International Energy Agency is formed.

1975
OPEC increases marker crude postings by 10%.

May 1975
Announcement of discovery of Brae field in U.K. North Sea.

September 1975
IEA member nations agree to increase emergency oil stocks to 70 day's supply from the previous level of 60 day's supply.

December 1975
Authorization of construction and filling of Strategic Petroleum Reserve.

February 1976
Design and implementation of two-tier pricing system for U.S. crude oil.

January 1977
Saudi Arabia and UAE increase prices by 5% while all other OPEC members increase prices by 10%.

August 1977
Start of North Slope production in Alaska.

October 1977
First crude oil imported for the Strategic Petroleum Reserve.

1978
U.S. demand peaks at 18.847 million b/d.

October 1978
Iran's production levels are disrupted by internal political difficulties.

November 1978
Natural Gas Policy Act (NGPA) places controls on natural gas prices and gives Federal Energy Regulatory Commission (FERC) authority over intrastate as well as interstate gas production.

Appendix 1 (Continued)

1979
World oil demand peaks at 41.6 million b/d.

May 1979
Gasoline shortages and rationing in the U.S.

November 1979
Official price of Saudi Light crude oil reaches $24/bbl.

April 1980
President Carter signs the "Windfall Profits" tax bill.

May 1980
Saudi Arabia increases price of Arabian Light to $28/bbl. retroactive to April 1st.

June 1980
OPEC meeting establishes a $32/bbl. benchmark price with a maximum price of $37/bbl.

September 1980
Iran-Iraq war disrupts production in both countries.

December 1980
OPEC meeting raises maximum price to $41/bbl. Saudi Arabia raises price for Arabian Light to $32/bbl. retroactive to November 1st.

January 1981
President Reagan lifts remaining price controls from domestic crude oil.

March 1981
U.S. crude oil wellhead price peaks at $34.70/bbl.

May 1981
OPEC decides to maintain current price levels but most countries agree to cut production by 10% to firm prices which had begun to slide.

October 1981
OPEC set crude oil marker price at $34/bbl. Saudi Arabia put production ceiling of 8.5 million b/d on Aramco crude.

December 1981
U.S. rig count peaks at 4,530 active rigs.

March 1982
OPEC imposes a crude oil production ceiling of 17.5 million b/d in effort to firm falling prices.

December 1982
OPEC agrees to an 18.5 million b/d production ceiling for 1983.

February 1983
OPEC reduces production ceiling to 17.5 million b/d. Marker crude price is reduced to $29/bbl.

October 1984
OPEC cuts production ceiling to 16.0 million b/d. Marker crude remains at $29/bbl.

January 1985
Saudi Light price reduced to $28/bbl.

Appendix 1 (Continued)

January 1985
Many U.S. natural gas prices are decontrolled. "Old" gas remains under price controls.

March 1985
U.K. coal miners strike. Strike has serious effect on European energy demand.

December 1985
OPEC changes policy and decides to secure market share rather than support price.

July 1986
Average U.S. crude oil wellhead price bottoms out at $9.39/bbl., the lowest price since November 1978.

July 1986
Posted price for West Texas Intermediate hits a low of $12.25/bbl.

July 1986
U.S. rig count reaches a new post-war low of 663.

September 1986
Prices begin to firm after OPEC agrees to an informal quota system for production.

December 1986
U.S. crude oil production falls to 8.35 million b/d, the lowest figure since 1977.

December 1986
OPEC agrees to a formal quota of 15.8 million b/d for the first half of 1987.

July 1987
OPEC revises their crude oil production quota upward to 16,600 b/d.

August 1987
Posted price for West Texas Intermediate rebounds to $20 bbl. for a short period before falling off again.

1987
U.S. imports of crude oil and petroleum products reach their highest level since 1980.

Appendix 2

Glossary of Abbreviations and Terms

AAPG
American Association of Petroleum Geologists

AGA
American Gas Association

AOSC
Association of Oilwell Servicing Contractors

API
American Petroleum Institute

As Completed
A term used to describe recording of well completion data by the American Petroleum Institute. As completed indicates that when a well is reported it is added back into the total for the month in which it was actually completed. Thus, historical data will be more accurate as a measure of wells drilled, but recent time periods will be subject to constant revision as additional wells are reported and placed into the time period (month or year) in which they were actually completed. API started reporting wells on an as completed basis in January 1985. They developed historical information for 1970–1984 on an as completed basis.

As Reported
A term used to describe recording of well completion data by the American Petroleum Institute. As reported indicates that wells are shown as completions in the month they were reported to the API regardless of when the well was actually drilled and completed. The wells were most likely drilled and completed in the prior 4–6 month period. Until January 1985, all data on well completions from the API was on an as reported basis.

Baker Hughes
Baker Hughes Incorporated

Bbl
Barrel. A barrel is equivalent to 42 U.S. gallons.

Bcf
Billion cubic feet

B/d
Barrels per day

BLS
Bureau of Labor Statistics of the Department of Commerce

BOM
Bureau of Mines. The Bureau of Mines was responsible for all oil and gas reporting in the U.S. prior to the formation of the Energy Information Administration.

BP
British Petroleum

BTU
British Thermal Unit, a generalized measure of heating value.

Crude Oil & Condensate
In this publication, crude oil is used to refer to crude oil and condensate unless otherwise noted. Traditionally condensate is separated from the gas at the wellhead and added to the crude stream or accounted for similar to crude oil.

Distillate fuel oil
Light fuel oil products, generally No. 2 and No. 4 fuel oils. May include diesel fuel.

EIA
Energy Information Administration of the Department of Energy

IADC
International Association of Drilling Contractors

IEA
International Energy Agency. See list of member nations in Appendix 3.

IPAA
Independent Petroleum Association of America

JAS
Joint Association Survey on Drilling Costs, compiled and published by the American Petroleum Institute, the Independent Petroleum Association of America, and the Mid-Continent Oil & Gas Association.

Jet Kerosine
Kerosine type jet fuel.

Jet Naphtha
Naptha type jet fuel. The primary user of jet naphtha is the U.S. military. Commercial jets generally use kerosine type jet fuel.

Kwh
Kilowatt hour

LNG
Liquified natural gas. Natural gas which has been converted to liquid form for transportation and sale.

LPG
Liquified petroleum gases, which generally include butane, propane, isobutane, and ethane. The term LPG & Ethane is sometimes used since ethane statistics used to be reported separately from other LPG products in U.S. government publications.

MAFLA
The area of the Gulf of Mexico offshore from Mississippi, Alabama, and Florida.

Mcf and Mmcf
Thousand cubic feet and million cubic feet

Mill
Million

MMS
Minerals Management Service of the Department of Interior

NGL
Natural gas liquids. The liquid products which are produced with and from natural gas.

North Slope
Refers to the northern area of Alaska. In general, North Slope refers to crude oil produced from Prudhoe Bay, Kuparuk and other developments in that area of northern Alaska.

NSWA
National Stripper Well Association

Appendix 2 (Continued)

OECD
Organization for Economic Cooperation and Development. See list of member nations in Appendix 3.

OGJ
Oil & Gas Journal

OAPEC
Organization of Arab Petroleum Exporting Countries.

OPEC
Organization of Petroleum Exporting Countries. See list of member nations in Appendix 3.

OCS
Outer Continental Shelf

PAD
Petroleum Allocation for Defense. A notation which divides the U.S. into 5 districts. Used as geographic reporting entities by the Energy Information Administration and others.

Processing Gain
The increase in total product volume after the refining process. As crude oil is processed into various products, the total volume in terms of barrels is increased (or decreased) depending upon the mix of products produced. In recent years, refinery processing gain has been growing due to the increasing quantities of light products produced.

Quads
Quadrillion BTU's

Residual fuel oil
Heavy fuel oil products, generally No. 5 and No. 6 fuel oils.

SEG
Society of Exploration Geophysicists

SII
Smith International Inc.

SPR
Strategic Petroleum Reserve

Stripper wells
Wells which produced less than 10 bbl. of oil per day.

Tcf
Trillion cubic feet

Ton
Metric ton

Total Liquids
A term used to indicate all liquids produced in the oil field including crude oil, condensate, natural gas liquids, other hydrocarbons and alcohol, pentanes and small amounts of natural petroleum products. Does not include water.

Wellhead revenues
The total dollar value of crude oil and natural gas at the wellhead. Wellhead revenues are calculated based on the production volumes of crude oil and natural gas multiplied by their respective average wellhead price.

Appendix 3

Organization of Petroleum Exporting Countries - OPEC

Member Nations (Year of Entry)

Algeria (1967)

Ecuador (1973)

Gabon (1973)

Indonesia (1962)

Iran (1960)

Iraq (1960)

Kuwait (1960)

Libya (1962)

Neutral Zone* (1960)

Nigeria (1971)

Qatar (1961)

Saudi Arabia (1960)

United Arab Emirates (1974):
  Abu Dhabi (1967)
  Dubai
  Ra's al Kaymah
  Sharjah

Venezuela (1960)

---

* Production from the Neutral Zone is shared equally by Saudi Arabia and Kuwait.

Appendix 3 (Continued)

Organization for Economic Cooperation and Development - OECD

Member Nations

Australia

Austria

Belgium

Canada

Denmark

Finland

France

Greece

Iceland

Ireland

Italy

Japan

Luxembourg

Netherlands

New Zealand

Norway

Portugal

Spain

Sweden

Switzerland

Turkey

United Kingdom

United States

West Germany

Yugoslavia

Appendix 3 (Continued)

International Energy Agency - IEA

Member Nations

Australia
Austria
Belgium
Canada
Denmark
Finland
France
Greece
Iceland
Ireland
Italy
Japan
Luxembourg
Netherlands
New Zealand
Norway
Portugal
Spain
Switzerland
Turkey
United Kingdom
United States
West Germany

Appendix 4

Approximate Conversion Factors

For crude oil:

From: / Into:	Tonnes	Long tons	Short tons	Barrels	Kilolitres (cu. metres)	1000 gal. (Imperial)	1000 gal. (U.S.)
				Multiply by			
Tonnes	1	0.984	1.102	7.33	1.16	0.256	0.308
Long tons	1.016	1	1.120	7.45	1.18	0.261	0.313
Short tons	0.907	0.893	1	6.65	1.05	0.233	0.279
Barrels	0.136	0.134	0.150	1	0.159	0.035	0.042
Kilolitres (cubic metres)	0.863	0.849	0.951	6.29	1	0.159	0.035
1000 gallons (Imp.)	3.91	3.83	4.29	28.6	4.55	1	1.201
1000 gallons (U.S.)	3.25	3.19	3.58	23.8	3.79	0.833	1

For crude oil and products:

To convert:	Barrels to Tonnes	Tonnes to Barrels	B/D to T/Y	T/Y to B/D
		Multiply by		
Crude oil	0.136	7.33	49.8	0.0201
Motor spirit	0.118	8.45	43.2	0.0232
Kerosine	0.128	7.80	46.8	0.0214
Gas oil/diesel	0.133	7.50	48.7	0.0205
Fuel oil	0.149	6.70	54.5	0.0184

Weight conversions:

1 metric ton = 1,000 kilograms
1 metric ton = 2204.62 pounds
1 long ton = 2240 pounds
1 short ton = 2000 pounds

Volume:

1 barrel = 42 U.S. gallons
1 cubic foot = 0.0283 cubic metres
1 cubic metre = 35.315 cubic feet

1 barrel of crude oil (equivalent) = 5642 cubic feet of natural gas

Appendix 4 (Continued)

Approximate Heat Content of Fuels

Coal		
Production	Mill BTU/short ton	21.94
Consumption	Mill BTU/short ton	21.53
Non-utility	Mill BTU/short ton	23.81
Electric utility	Mill BTU/short ton	21.16
Imports	Mill BTU/short ton	25.00
Exports	Mill BTU/short ton	26.34
Coal coke	Mill BTU/short ton	24.80
Crude oil		
Production	Mill BTU/barrel	5.800
Imports	Mill BTU/barrel	5.901
Exports	Mill BTU/barrel	5.800
Crude oil and petroleum products		
Imports	Mill BTU/barrel	5.820
Exports	Mill BTU/barrel	5.858
Petroleum products (weighted average)		
Consumption	Mill BTU/barrel	5.403
Residential and commercial	Mill BTU/barrel	5.211
Industrial	Mill BTU/barrel	5.312
Transportation	Mill BTU/barrel	5.421
Electric utilities	Mill BTU/barrel	6.249
Imports	Mill BTU/barrel	5.633
Exports	Mill BTU/barrel	5.873
LPG consumption	Mill BTU/barrel	3.659
Natural gas plant liquids		
Production	Mill BTU/barrel	3.804
Natural gas		
Production, dry	BTU/cubic foot	1,030
Production, wet	BTU/cubic foot	1,110
Consumption	BTU/cubic foot	1,030
Non-utility	BTU/cubic foot	1,029
Electric utilities	BTU/cubic foot	1,034
Imports	BTU/cubic foot	997
Exports	BTU/cubic foot	1,008
Electricity		
Fossil fuel steam-electric	BTU/kilowatt hour	10,261
Nuclear	BTU/kilowatt hour	10,799
Geothermal	BTU/kilowatt hour	21,263
Electricity consumption	BTU/kilowatt hour	3,412

Appendix 4 (Continued)

Approximate Heat Content of Refined Petroleum Products

	Million BTU per barrel
Asphalt	6.636
Aviation gasoline	5.048
Butane	4.326
Distillate fuel oil	5.825
Ethane	3.082
Isobutane	3.974
Jet fuel - kerosine type	5.670
Jet fuel - naphtha type	5.355
Kerosine	5.670
Lubricants	6.065
Motor gasoline	5.253
Natural gasoline	4.620
Pentanes plus	4.620
Petrochemical feedstocks	
Naphtha 400 deg. F or less	5.248
Other oils over 400 deg. F	5.825
Still gas	6.000
Petroleum coke	6.024
Propane	3.836
Residual fuel oil	6.287
Road oil	6.636
Special naphtha	5.248
Unfinished oils	5.825
Wax	5.537

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